

Library

5

Borough of Worthing



ANNUAL REPORT

on the

HEALTH OF WORTHING

and

Meteorological Observations
for the Year

1954

G. H. PRINGLE,
M.R.C.S., L.R.C.P., D.P.H.
Medical Officer of Health

Borough of Worthing



ANNUAL REPORT

on the

HEALTH OF WORTHING

and


**Meteorological Observations
for the Year**

1954

G. H. PRINGLE,

M.R.C.S., L.R.C.P., D.P.H.

Medical Officer of Health



Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

<https://archive.org/details/b30296031>

HEALTH DEPARTMENT,
WORTHING LODGE,
STOKE ABBOTT ROAD,
WORTHING.

August, 1955.

To the Mayor, Aldermen and Councillors of the Borough of Worthing.

MR. MAYOR, LADIES AND GENTLEMEN,

I present herewith my eighth Annual Report on the Health of Worthing, together with the Meteorological Observations for the year.

Statistics :

The 1951 Census returns published during the year showed that the percentage of the total population of the Borough in the "pensionable age" groups has risen to 29.6. The care of the aged is a major social problem, and in Worthing the percentage in the "pensionable age" groups is more than double the national average. I have given a brief outline of the more important services operating in the Borough for the care of the aged, and this will be found on page 30.

Infectious Diseases :

Of the common notifiable diseases, whooping cough notifications totalled 444. On the other hand, 1953 was not a "measles year"—it will be recalled that this disease has a biennial incidence.

There were no cases of acute poliomyelitis and, for the seventh year in succession, there were no cases of diphtheria.

At the end of the report there is a short summary of the work carried out in the Borough under the National Health Service Act, 1946, Part 3 Services.

I should like to express my appreciation of the helpful support and the interest taken in the Health Services of the Borough by the Chairman and Members of the Health Committee and by other members of the Council.

I would also like to acknowledge the excellent work carried out by Dr. Aitken, my Deputy, by Mr. White and the District Inspectors, and by every member of the clerical staff.

I am,

Mr. Mayor, Ladies and Gentlemen,

Your obedient servant,

G. H. PRINGLE,
Medical Officer of Health.

HEALTH COMMITTEE :

(as at 31st December, 1954)

Chairman : ALDERMAN F. J. NASH, F.S.A.A.

Vice-Chairman : COUNCILLOR MRS. M. F. CALE

COUNCILLOR A. J. BARRETT	COUNCILLOR E. J. W. CUER
COUNCILLOR H. H. BARRETT	COUNCILLOR F. KENTON
COUNCILLOR T. A. CLIFFORD	COUNCILLOR E. E. KEYS
COUNCILLOR C. W. W. COOPER	COUNCILLOR R. A. MITCHELL
	COUNCILLOR MRS. D. E. RUDD

HEALTH DEPARTMENT STAFF :

(as at 31.12.54)

Medical Officer of Health

G. H. PRINGLE, M.R.C.S., L.R.C.P., D.P.H.

Deputy Medical Officer of Health

J. C. AITKEN, M.B., CH.B., D.P.H.

Chief Sanitary Inspector :	...	...	...	S. S. WHITE, M.S.I.A., A.M.I.S.E.
Deputy Chief Sanitary Inspector :	...	...	...	H. F. JOWETT, M.S.I.A.
District Sanitary Inspectors :	...	...	...	D. E. PARKER, M.S.I.A.
				M. BLAKE, A.R.S.I
				<i>One vacancy.</i>

Clerical Staff :

Chief Clerk :	...	...	...	...	T. L. CANTON
Clerks :	...	...	...	...	MISS P. MOAKES
					MRS. N. J. CLARK
					MRS. P. M. LOWE
					MISS F. TAYLOR

Meteorological Observers :	...	...	...	T. L. CANTON
				D. E. PARKER

Other Staff :

Rodent Operators :	...	...	...	F. J. MARIGOLD
				J. H. OGLESBY
Disinfector and General Assistant :	...			C. A. COZENS

GENERAL STATISTICS, 1954

Area of Municipal Borough, including foreshore	8512.742 acres
Population (Census 1921)	31,520
Population (Census 1931)	46,230
Population (Census 1951)	69,431
Registrar-General's Estimate of Resident Population (1954) ..	68,510
Number of inhabited houses (1921)	7,710
Number of inhabited houses (1954)	24,500
Rateable Value (1954)	£1,055,268
Sum represented by a penny rate, 1954	£4,372

BIRTH RATE. 9.6 per 1,000 population. Birth-rate after correction by the factor received from the Registrar-General, 12.8 per 1,000. (Number of births, 659).
England and Wales, 15.2 per 1,000.

DEATH RATES (all causes). 19.0 per 1,000 population. Death rate after correction by the factor received from the Registrar-General, 9.7 per 1,000. (Number of deaths, 1,299).

England and Wales, 11.3 per 1,000.

Infant rate, 29.6 per 1,000 live births. (Number of deaths, 19).

England and Wales, 25.5 per 1,000 live births.

Maternal rate, nil.

England and Wales, 0.69 per 1,000 births.

Tuberculosis rate, 0.19 per 1,000 population. (Number of deaths, 13).

England and Wales, 0.28 per 1,000 population.

MEAN ANNUAL TEMPERATURE (1954) 50.7 degrees Fahr

HOURS OF BRIGHT SUNSHINE (1954), 1,687.3 hours ; daily average, 4.62 hours ; Summer, 6.31 hours ; Winter, 2.87 hours.

TOTAL RAINFALL (1954) 30.28 inches

VITAL STATISTICS

The Registrar-General's estimate of the mid-year population of Worthing was 68,510, as compared with 67,770 in 1953, and this estimate has been adopted for the purposes of the statistics contained in this Report.

CENSUS, 1951

Population	..	..	..	69,431	
Males (over 65 years)	..	..	..	..	5,419
Females (over 60 years)	..	..	..	..	15,168
					<hr/>
					20,587
					<hr/>
Percentage of population of "pensionable age"	..				29.6.

BIRTHS

The number of registered births (live and still) was 659, namely:—

		<i>Total</i>	<i>Male</i>	<i>Female</i>
Live Births—Legitimate	..	599	290	309
Illegitimate	..	42	24	18
Still Births—Legitimate	..	18	10	8
Illegitimate	..	—	—	—

The Registrar-General provides a factor for the purpose of rendering the birth-rate of the Borough comparable with that of a district the population of which is of standard age and sex distribution. Accordingly the birth-rate is now multiplied by this factor which represents the birth-rate for comparison with other districts. The birth-rate of Worthing for 1954 adjusted in this manner is raised from 9.6 to 12.8 per 1,000 of the population. The birth-rate for England and Wales is 15.2 per 1,000.

Birth-rate per 1,000 population:—

Live Births	..	..	..	..	..	9.4
Still Births	..	..	..	..	..	0.26

Birth-rate per 1,000 population after applying
"Area Comparability Factor":—

Live Births	..	..	..	..	..	12.4
Still Births	..	..	..	..	..	0.35

Birth-rate (Live and Still) per 1,000 population 9.6

Birth-rate (Live and Still) per 1,000 population
after applying "Area Comparability Factor" 12.8

Still Birth-rate per 1,000 (Live & Still) births 27.3

Illegitimate births numbered 42, or 6.37 per cent. of the total births.

STILL - BIRTHS

The registration of still-births is made compulsory by the Births and Deaths Registration Act, 1953.

During 1954 there were 18 still-births registered to Worthing residents representing a still-birth rate of 27.3 per 1,000 births (live and still) registered. Of the 18 still-births none was registered as illegitimate.

DEATHS

The number of deaths registered in the Borough during 1954 was 1,260. Of these 174 were deaths of non-residents and were transferred to the districts in which the persons ordinarily resided. There were, on the other hand, 213 deaths of Worthing residents registered outside the Borough. The total (corrected) number of deaths assigned to the Borough was 1,299 (males 548, females 751). This gives a recorded death-rate of 19.0 compared with 11.3 for England and Wales. This recorded death-rate, however, which is a crude rate, cannot be used to compare the mortality with that of other districts as the populations of all areas are not similarly constituted as regards the proportions of their sex and age group components.

The Registrar-General supplies an "Area Comparability Factor" and the crude death-rate multiplied by this figure can then be compared with the death-rate of the country as a whole or with the mortality of any other local area. The corrected death-rate so obtained is 9.7 per 1,000 population.

INFANT MORTALITY

During 1954 the deaths of 19 infants under one year of age were registered. The total number of live births registered during the year was 641, giving an infantile mortality rate of 29.6 per 1,000 live births.

The infantile mortality rate for England and Wales in 1954 was 25.5.

There were 18 deaths of infants during the first four weeks of life (or 94.7 per cent. of the total infant deaths) as compared with 11 deaths (or 68.8 per cent.) in 1953.

The causes of the 19 Infant deaths are shown in detail on page 16.

MATERNAL MORTALITY

There were no maternal deaths during the year.

CANCER MORTALITY

The number of deaths of Worthing residents from cancer was 235 (males 97, females 138) as compared with 224 in 1953, 203 in 1952, 248 in 1951, 237 in 1950, 213 in 1949 and 183 in 1948. The death rate from the disease per 1,000 of the population was 3.43. The deaths from cancer constitute 18.1 per cent. of the total Worthing deaths during the year.

The following gives the comparative average death-rates from cancer in Worthing for quinquennial periods since 1910, and for each year since 1950:—

1910-1914	..	..	1.32	1940-1944	..	..	3.11
1915-1919	..	..	2.01	1945-1949	..	..	3.06
1920-1924	.	..	1.94	1950	..	..	3.47
1925-1929	..	..	2.29	1951	..	..	3.64
1930-1934	..	..	2.33	1952	..	..	3.01
1935-1939	..	..	2.53	1953	..	..	3.16
				1954	..	..	3.43

The following table shows the localisation of the disease in the case of the 235 deaths recorded.

Localisation					No. of deaths		
					Male	Female	Total
Stomach	..	..	..	..	18	6	24
Lungs	..	..	..	..	27	10	37
Breast	..	..	..	..	—	28	28
Uterus	..	..	..	..	—	8	8
Other and unspecified organs	..				52	86	138
Total ..					97	138	235

The mortality from cancer during the last 20 years is shown as follows:

Year	Deaths		Total	Death rate per 1,000 of the population
	Males	Females		
1935 ..	53	72	125	2.32
1936 ..	54	99	153	2.75
1937 ..	51	87	138	2.35
1938 ..	64	87	151	2.56
1939 ..	57	106	163	2.66
1940 ..	82	104	186	2.73
1941 ..	69	92	161	2.88
1942 ..	76	113	189	3.47
1943 ..	79	90	169	3.22
1944 ..	68	109	177	3.27
1945 ..	80	124	204	3.48
1946 ..	76	120	196	3.02
1947 ..	84	116	200	3.00
1948 ..	80	103	183	2.71
1949 ..	95	118	213	3.10
1950 ..	87	150	237	3.47
1951 ..	104	144	248	3.64
1952 ..	87	116	203	3.01
1953 ..	92	132	224	3.16
1954 ..	97	138	235	3.43

This death rate is considerably higher than that for the country as a whole, and this is accounted for by the high proportion of aged persons resident in the Borough. The rate for England and Wales in 1954 was 2.03 per 1,000 population.

INFLUENZA AND PNEUMONIA MORTALITY

There were 46 deaths from these diseases as against 74 in 1953, 46 in 1952, 69 in 1951, 57 in 1950 and 46 in 1949. The mortality rate per 1,000 of the population was 0.67, as compared with 1.09 in 1953, 0.68 in 1952, 1.02 in 1951, 0.83 in 1950 and 0.63 in 1949. The rate for England and Wales in 1954 was 0.53 per 1,000 population.

TUBERCULOSIS MORTALITY

Deaths from tuberculosis numbered 13, of which all were due to pulmonary tuberculosis.

The death-rate from tuberculosis was 0.19 per 1,000 population, compared with 0.04 in 1953, 0.31 in 1952, 0.26 in 1951, 0.37 in 1950 and 0.26 in 1949.

The rate for England and Wales in 1954 was 0.28 per 1,000 population.

DEATHS FROM HEART DISEASE

Of the 1,299 deaths, heart disease caused roughly 1 in every 3 (males 194, females 250). It represented 34.2 per cent. of the total deaths from all causes and was equivalent to a death rate of 6.48 per 1,000 of the population.

VITAL STATISTICS, 1908 - 1954. TABLE I

Year.	Deaths.															Registrar General's Popu- lation
	Births.		All causes.		Infants under 1 year.		Maternal Mortality			Zymotic.		Tuberculosis		Cancer.		
No.	R.*	No.	R.*	No.	R.**	Sepsis.	Other Causes	Rate†	No.	R.*	No.	R.*	No.	R.*		
1908	531	19.9	414	15.6	58	109	1	4	9.42	18	0.67	37	1.39	47	1.77	
9	518	19.0	360	13.2	39	75	—	—	—	12	0.44	45	1.65	33	1.21	
10	548	19.7	388	13.9	36	66	1	—	1.89	8	0.28	43	1.55	41	1.47	
11	532	17.4	397	13.0	56	105	—	—	—	50	1.64	37	1.21	45	1.47	
12	486	15.5	355	11.3	20	41	—	—	—	5	0.16	37	1.18	37	1.18	
13	504	15.6	400	12.4	34	67	1	1	3.97	12	0.37	27	0.84	39	1.22	
14	483	14.6	428	13.0	29	60	—	1	2.07	18	0.54	34	1.03	42	1.27	
15	457	14.2	507	15.9	28	61	—	3	6.56	14	0.44	56	1.75	49	1.53	
16	468	15.5	418	15.5	31	66	—	—	—	7	0.18	46	1.66	58	2.09	
17	359	11.9	415	15.0	23	64	—	—	—	9	0.32	41	1.48	63	2.28	
18	419	12.9	511	17.7	32	76	—	—	—	13	0.45	38	1.32	73	2.53	
19	376	12.1	478	15.7	21	56	1	—	2.39	4	0.13	35	1.15	49	1.61	
20	583	18.5	434	13.7	23	39	—	—	—	6	0.19	29	0.92	50	1.58	
21	487	15.5	441	14.0	29	59	1	2	5.43	7	0.20	32	1.02	63	1.99	
22	404	12.8	472	15.0	21	52	1	—	1.95	2	0.08	35	1.11	59	1.87	
23	401	12.8	428	13.6	18	45	1	1	3.89	4	0.14	26	0.83	55	1.75	
24	426	13.3	537	16.6	21	49	—	1	2.35	2	0.07	32	0.99	81	2.51	
25	442	13.4	452	13.7	21	48	—	1	2.26	9	0.27	28	0.85	60	1.82	
26	423	12.1	536	15.3	17	40	—	1	2.36	5	0.14	30	0.85	90	2.56	
27	432	11.9	571	15.7	20	46	1	2	6.94	7	0.19	28	0.76	84	2.31	
28	462	12.2	548	14.4	17	37	1	1	4.33	12	0.31	26	0.68	87	2.29	
29	494	11.9	684	16.5	12	24	—	1	2.02	4	0.10	34	0.82	103	2.49	
30	534	12.6	640	15.1	18	36	—	2	3.75	3	0.07	37	0.87	104	2.46	
31	553	12.5	690	15.5	20	37	2	2	7.23	5	0.11	46	1.04	101	2.28	
32	513	11.0	781	16.8	20	39	4	3	13.64	9	0.20	39	0.84	101	2.17	
33	514	10.6	715	14.7	18	38	2	—	3.89	6	0.12	33	0.68	104	2.14	
34	615	11.9	756	14.6	12	20	—	1	1.63	3	0.06	34	0.66	133	2.58	
35	621	11.5	744	14.0	25	40	1	—	1.61	4	0.07	36	0.67	125	2.32	
36	687	12.4	870	15.6	23	35	—	3	4.36	3	0.05	25	0.45	153	2.75	
37	729	12.4	916	15.6	33	45	—	—	—	2	0.03	42	0.72	138	2.35	
38	712	10.8	917	15.5	20	29	—	1	1.40	4	0.07	31	0.52	151	2.56	
39	763	12.4	1035	16.9	18	23	1	1	2.60	4	0.06	26	0.34	163	2.66	
40	657	9.6	1165	17.6	32	49	—	2	3.00	5	0.07	48	0.70	186	2.73	
41	590	10.1	1044	18.7	22	36	—	1	1.80	3	0.05	39	0.70	161	2.88	
42	724	13.3	1116	20.5	25	35	1	1	2.80	3	0.05	23	0.42	189	3.47	
43	775	14.3	1073	20.4	24	32	—	3	3.90	1	0.01	33	0.63	169	3.22	
44	924	17.1	1037	19.2	40	44	—	2	2.10	10	0.18	23	0.42	177	3.27	
45	811	13.8	1173	20.0	31	39	—	1	1.20	2	0.03	32	0.54	204	3.48	
46	1059	16.3	1223	18.8	50	48	—	—	—	11	0.17	22	0.34	196	3.02	
47	1003	15.0	1251	18.7	31	32	—	—	—	4	0.04	26	0.38	200	3.00	
48	861	12.8	1103	16.3	20	24	—	—	—	—	—	23	0.34	183	2.71	
49	818	12.0	1209	17.8	16	20	—	1	1.20	2	0.03	18	0.26	213	3.10	
50	714	10.4	1336	19.5	22	31	—	1	1.40	3	0.04	25	0.37	237	3.47	
51	699	10.3	1375	20.2	17	25	—	—	—	3	0.04	18	0.26	248	3.64	
52	658	9.7	1235	18.3	11	17	—	2	2.04	—	—	21	0.31	203	3.01	
53	513	9.6	1388	19.3	15	23	—	—	—	—	—	—	—	—	—	

* Per 1,000 Population. (unadjusted)

** Per 1,000 Live Births.

† Per 1,000 Total (Live & Still) Births

TABLE II

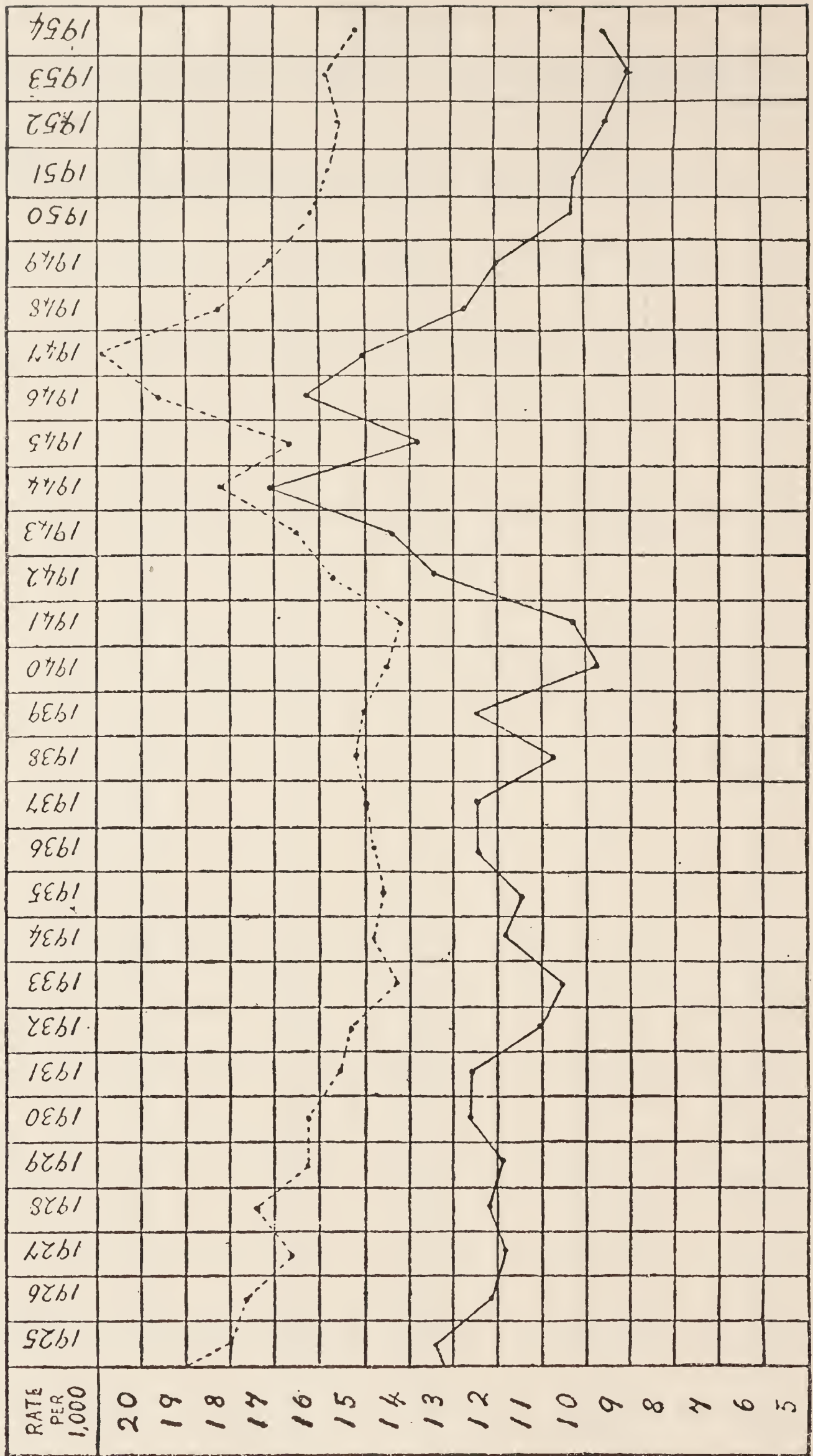
BIRTHS

The following table shows the number of births, and birth rate of Worthing, for the last 40 years.

		Total Births	Males	Females	Birth Rate	Adjusted Birth Rate
1915	..	457	231	226	14.2	—
1916	..	468	225	243	15.5	—
1917	..	359	193	166	11.9	—
1918	..	419	219	200	12.9	—
1919	..	376	179	197	12.1	—
1920	..	583	281	302	18.5	—
1921	..	487	265	222	15.5	—
1922	..	404	221	183	12.8	—
1923	..	401	214	187	12.8	—
1924	..	426	249	177	13.3	—
1925	..	442	223	219	13.4	—
1926	..	423	218	205	12.1	—
1927	..	432	223	209	11.9	—
1928	..	462	223	239	12.2	—
1929	..	494	242	252	11.9	—
1930	..	534	278	256	12.6	—
1931	..	553	299	254	12.5	—
1932	..	513	256	257	11.0	—
1933	..	514	255	259	10.6	—
1934	..	615	292	323	11.9	—
1935	..	621	296	325	11.5	—
1936	..	687	340	347	12.4	—
1937	..	729	378	351	12.4	—
1938	..	712	347	365	10.8	—
1939	..	763	400	363	12.4	—
1940	..	657	362	295	9.6	—
1941	..	590	305	285	10.1	—
1942	..	724	346	378	13.3	—
1943	..	775	417	358	14.3	—
1944	..	924	491	433	17.1	—
1945	..	811	427	384	13.8	—
1946	..	1059	536	523	16.3	—
1947	..	1003	527	476	15.0	—
1948	..	861	453	408	12.8	—
1949	..	818	444	374	12.0	—
1950	..	714	350	364	10.4	12.4
1951	..	699	383	316	10.3	12.2
1952	..	658	328	330	9.7	11.5
1953	..	613	321	292	9.0	10.7
1954	..	659	324	335	9.6	12.8

The birth rate for England and Wales for 1954 was 15.2 per 1,000.

CHART SHOWING WORTHING UNADJUSTED BIRTH RATE SINCE 1925



(Dotted line represents Rate for England and Wales)

DEATHS

The total number of deaths assigned to Worthing after allowing for inward and outward transfers was 1,299, 548 males and 751 females, giving a crude death rate of 19.0 per 1,000 population.

The corrected death rate after adjustment is 9.7.

			Crude Death Rate	Adjusted Death Rate
1939	..	..	16.9	11.0
1940	..	..	17.6	11.1
1941	..	..	18.7	(no comparability factor issued).
1942	..	..	20.5	„
1943	..	..	20.4	„
1944	..	..	19.2	„
1945	..	..	20.0	„
1946	..	..	18.8	„
1947	..	..	18.7	„
1948	..	..	16.3	„
1949	..	..	17.8	10.0
1950	..	..	19.5	10.9
1951	..	..	20.2	11.1
1952	..	..	18.3	10.1
1953	..	..	19.3	10.6
1954	..	..	19.0	9.7

The death rate for England and Wales was 11.3.

TABLE III.
CAUSES OF DEATH — 1954

All Causes	Males 548	Females 751
Tuberculosis, Respiratory	8	5
Tuberculosis, other	—	—
Syphilitic Disease	3	1
Diphtheria	—	—
Whooping Cough	—	—
Meningococcal infections	—	—
Acute Poliomyelitis	—	—
Measles	—	—
Other infective and parasitic diseases	2	3
Malignant neoplasm, stomach	18	6
Malignant neoplasm, Lung, Bronchus	27	10
Malignant neoplasm, Breast	—	28
Malignant neoplasm, Uterus	—	8
Other malignant and lymphatic neoplasms	52	86
Leukaemia aleukaemia	1	8
Diabetes	1	8
Vascular lesions of Nervous System	66	149
Coronary disease, Angina	111	79
Hypertension with heart disease	6	18
Other heart disease	77	153
Other circulatory disease	21	29
Influenza	2	2
Pneumonia	22	20
Bronchitis	21	18
Other diseases of respiratory system	7	6
Ulcer of stomach and duodenum	10	9
Gastritis, enteritis and diarrhoea	2	3
Nephritis and nephrosis	6	3
Hyperplasia of prostate	19	—
Pregnancy, childbirth, abortion.. .. .	—	—
Congenital malformations	3	4
Other defined and ill-defined diseases	42	56
Motor vehicle accidents	6	4
All other accidents	10	25
Suicide	5	10
Homicide and operations of war	—	—

The principal causes of death during the year were:—

Heart Diseases	444
Cancer	235
Intra-cranial vascular lesions	215
Bronchitis	39
Pneumonia	42

DEATHS, AGE GROUPS — 1954

Age	Deaths	Age	Deaths
Under 1 year	19	35 to 44 years	12
1 to 2 years	1	45 to 54 „	46
3 to 4 „	—	55 to 59 „	53
5 to 9 „	2	60 to 64 „	91
10 to 14 „	1	65 to 69 „	133
15 to 19 „	1	70 to 79 „	463
20 to 24 „	3	80 to 89 „	385
25 to 34 „	10	90 years and over	79
Total number of deaths ... 1,299			

This analysis shows that 71.4 per cent. of the deaths were of persons aged 70 years of age and upwards.

The number of deaths occurring in the four quarters of the year was as follows:—

	Deaths	Adjusted Death rate per 1,000 Population	Rate for England & Wales
First Quarter	392	11.7	14.1
Second Quarter	302	9.0	10.7
Third Quarter	278	8.3	9.4
Fourth Quarter	327	9.6	11.4
	1299	9.7	11.3

TABLE. IV
BIRTH RATES, DEATH RATES,
AND INFANTILE MORTALITY RATES, 1934 — 1954

Years	No. of births	Unadjusted Birth rate per 1,000 of the population	No. of deaths	Unadjusted Death rate per 1,000 of the population	Infantile Mortality rate per 1,000 births
1934 ..	615	11.9	756	14.6	20
1935 ..	621	11.5	744	14.0	40
1936 ..	687	12.4	870	15.6	35
1937 ..	729	12.4	916	15.6	45
1938 ..	712	10.8	917	15.5	29
1939 ..	763	12.4	1035	16.9	23
1940 ..	657	9.6	1165	17.6	49
1941 ..	590	10.1	1044	18.7	36
1942 ..	724	13.3	1116	20.5	35
1943 ..	775	14.3	1073	20.4	32
1944 ..	924	17.1	1037	19.2	44
1945 ..	811	13.8	1173	20.0	39
1946 ..	1059	16.3	1223	18.8	48
1947 ..	1003	15.0	1251	18.7	31.9
1948 ..	861	12.8	1103	16.3	23.8
1949 ..	818	12.0	1209	17.8	19.5
1950 ..	714	10.4	1336	19.5	30.8
1951 ..	699	10.3	1375	20.2	24.6
1952 ..	658	9.7	1235	18.3	16.7
1953 ..	613	9.0	1308	19.3	26.6
1954 ..	659	9.6	1299	19.0	29.6

It will be noted from this table that the number of deaths has always exceeded the number of births during the last 21 years. There has been no “natural increase of the population” (*i.e.* excess of births over deaths) since the year 1921.

TABLE V
INFANTILE MORTALITY

The number of deaths under one year of age was 19 (12 males and 7 females), giving an infant mortality rate of 29.6 per 1,000 live births. The corresponding rate for England and Wales for the year under review was 25.5.

Year	No. of Infant Deaths	Proportion per 1,000 live births	Percentage of Total Deaths at all ages	Infant Mortality Rate in England and Wales
1928	17	37	3.1	65
1929	12	24	1.7	74
1930	18	36	2.8	60
1931	20	37	2.9	66
1932	20	39	2.5	65
1933	18	38	2.5	64
1934	12	20	1.6	59
1935	25	40	3.4	57
1936	23	35	2.6	59
1937	33	45	3.6	58
1938	20	29	2.2	53
1939	18	23	1.7	50
1940	32	49	2.7	55
1941	22	36	2.1	59
1942	25	35	2.2	49
1943	24	32	2.2	49
1944	40	44	3.8	46
1945	31	39	2.5	46
1946	50	48	4.2	43
1947	31	31.9	2.4	41
1948	20	23.8	1.8	34
1949	16	19.5	1.3	32
1950	22	30.8	1.6	30
1951	17	24.6	1.3	30
1952	11	16.7	0.9	28
1953	16	26.6	1.2	27
1954	19	29.6	1.5	26

The causes of deaths of children under one year for the last 5 years are as follows:—

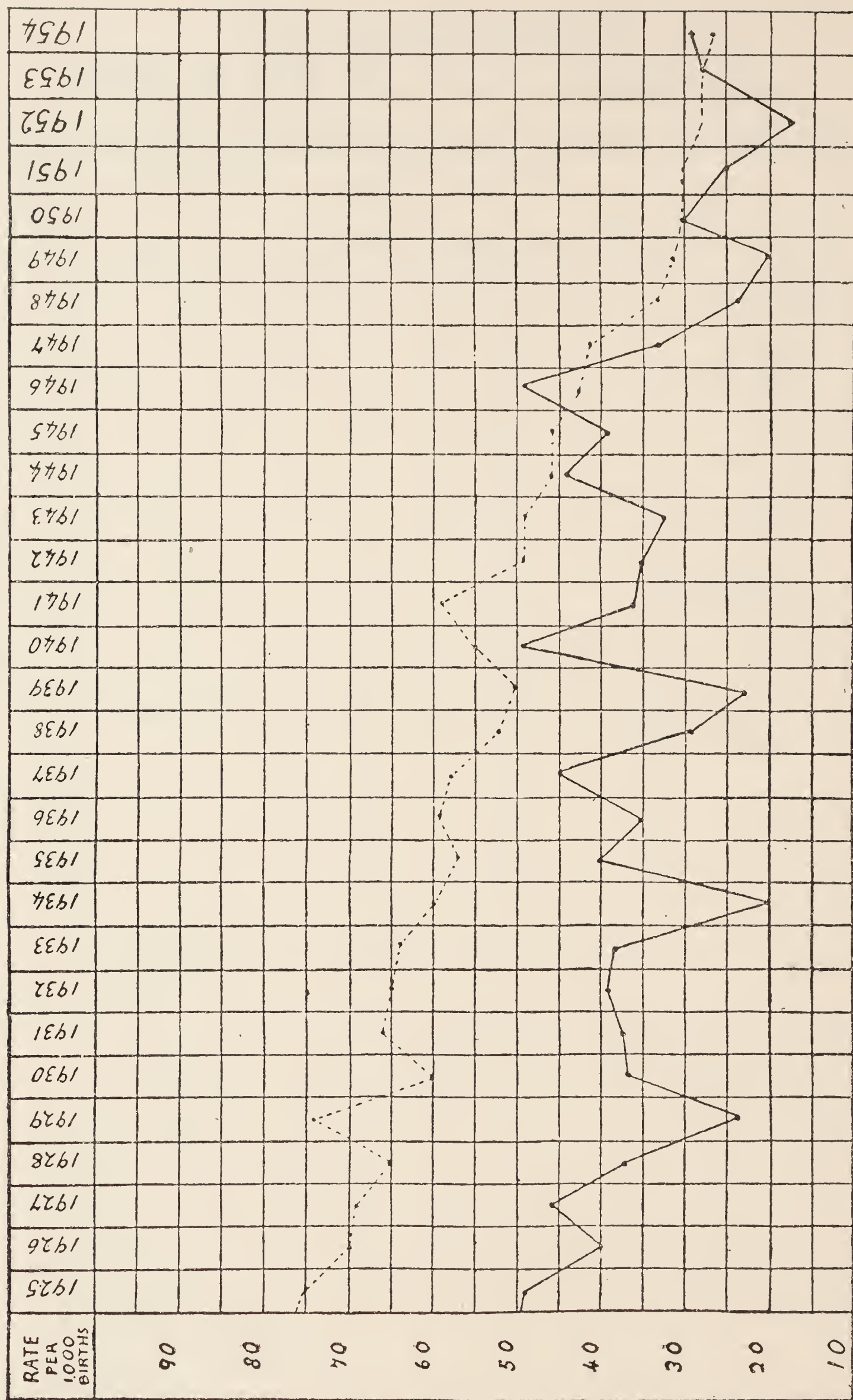
Cause of Infant Deaths	Deaths of infants under one year of age.				
	1950	1951	1952	1953	1954
Premature Births	8	4	4	6	8
Congenital Malformations ..	3	3	1	2	1
Pneumonia	3	4	3	3	2
Atelectasis	2	1	1	2	3
Asphyxia	—	2	1	1	—
Spina Bifida.. ..	—	—	—	1	—
Bronchitis	1	—	—	—	—
Gastro Enteritis	1	—	—	—	—
Tuberculosis.. ..	1	—	—	—	—
Inflammation of Lungs ..	—	—	—	—	1
Intra-Cranial Haemorrhage ..	—	—	—	—	1
Meningitis	—	—	—	—	2
All other causes	3	3	1	1	1
TOTALS	22	17	11	16	19

TABLE VI
INFANTILE DEATHS — 1954

TABLE SHOWING CAUSES AND AGES AT DEATH

Cause	Age in weeks				Total under 1 Month	Age in months					Total (All Ages)
	0-1	1-2	2-3	3-4		1-2	2-3	3-6	6-9	9-12	
Prematurity	8	—	—	—	8	—	—	—	—	—	8
Congenital Malformations ..	—	—	—	—	—	1	—	—	—	—	1
Pneumonia	2	—	—	—	2	—	—	—	—	—	2
Atelectasis	3	—	—	—	3	—	—	—	—	—	3
Inflammation of Lungs	—	—	1	—	1	—	—	—	—	—	1
Intra-Cranial Haemorrhage ..	1	—	—	—	1	—	—	—	—	—	1
Meningitis	2	—	—	—	2	—	—	—	—	—	2
Other Causes	1	—	—	—	1	—	—	—	—	—	1

CHART SHOWING WORTHING INFANTILE MORTALITY RATE SINCE 1925



(Dotted line represents Rate for England and Wales)

WATER SUPPLIES

The water supply undertaking is owned and managed by the Borough Council.

The following information regarding the water supply has been supplied by Mr. H. A. Leader, Assoc.M.Inst.C.E., Assoc.M.Inst.W.E., Borough Water Engineer.

1. The water supply of the statutory area has been very satisfactory in both quality and quantity throughout the past year.
2. Bacteriological examinations are made once a fortnight of both the raw and chlorinated water, whilst chemical examinations of the raw water are made once a month.
3. The water has no plumbo-solvent action.
4. No contamination of supplies has been reported.
5. The population supplied during the year ended December, 1954, was 72,380, all supplies being direct to the houses and no standpipes being used. The area supplied includes the Parishes of Clapham, Patching and Sompting, and in the entire area there are 74 houses (approximate population 219) without a piped water supply. In addition, water was supplied to the Rural District Council, and re-distributed by that Authority to a population of 11,880.

THE COUNTIES PUBLIC HEALTH LABORATORIES

66 Victoria Street,
London, S.W.1.

Chemical Water Report

The sample of water marked 48" Borehole and Headings, Broadwater Pumping Station, received here on 1.12.54, has been chemically examined as follows:—

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Clear and bright	Metals—Iron: less than 0.03, other metals absent.	
Colour	Nil	Turbidity	Nil
pH	7.3	Odour	Nil
Electric Conductivity	440	Free Carbon Dioxide	14
Chlorine present as Chloride	24	Total Solids	295
Hardness: Total 235—		Alkalinity as Calcium Carbonate	190
Carbonate 190; Non-carbonate	45	Nitrite Nitrogen	Less than 0.01
Nitrate Nitrogen	4.2	Oxygen Absorbed	0.10
Ammoniacal Nitrogen	0.012	Residual Chlorine	Absent
Albuminoid Nitrogen	0.000		

This sample is clear and bright in appearance, neutral in reaction and free from metals apart from a negligible trace of iron. The water is hard in character but not unduly so, contains no excess of salinity or mineral constituents in solution and it is of very satisfactory organic quality.

From the aspect of the chemical analysis these results are indicative of a pure and wholesome water suitable for public supply purposes.

10th December, 1954.

(Signed) GORDON MILES, B.SC., F.R.I.C.

THE COUNTIES PUBLIC HEALTH LABORATORIES

66 Victoria Street,
London, S.W.1.

Chemical Water Report

The sample of water marked 48" Borehole and Headings, Patching P.S., received here on 1.12.54, has been chemically examined as follows:—

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance	Clear and bright	Metals—	
Colour	Nil	Iron : 0.04, other metals absent.	
pH	7.3	Turbidity	Nil
Electric Conductivity	440	Odour	Nil
Chlorine present as Chloride	20	Free Carbon Dioxide	15
Hardness : Total 235—		Total Solids	295
Carbonate, 205 ; Non-carbonate, 30		Alkalinity as Calcium Carbonate	205
Nitrate Nitrogen	3.6	Nitrite Nitrogen	Less than 0.01
Ammoniacal Nitrogen	0.012	Oxygen Absorbed	0.10
Albuminoid Nitrogen	0.000	Residual Chlorine	Absent

This sample is clear and bright in appearance, neutral in reaction and free from metals apart from a negligible trace of iron. The water is hard in character but not unduly so, contains no excess of salinity or mineral constituents in solution and it is of very satisfactory organic quality.

From the aspect of the chemical analysis these results are indicative of a pure and wholesome water suitable for public supply purposes.

(Signed) GORDON MILES, B.SC., F.R.I.C.

10th December, 1954.

PUBLIC HEALTH LABORATORY,
ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON

Bacteriological Water Analysis

On sample marked 48" Borehole, Patching Pumping Station.

Lab. Ref. No. 137906.

Received 30.11.54.

Plate Count. 2 days at 37°C. per ml. 1.

Probable number of coliform bacilli per 100 ml.—less than 1.

Date of report, 2.12.54.

J. E. JAMESON,
Director.

PUBLIC HEALTH LABORATORY,
ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON

Bacteriological Water Analysis

On sample marked 48" Borehole, Broadwater Pumping Station.

Lab. Ref. No. 13907.

Received 30.11.54.

Plate Count. 2 days at 37°C. per ml. 2.

Probable number of coliform bacilli per 100 ml.—less than 1.

Date of report, 2.12.54.

J. E. JAMESON,
Director.

SWIMMING BATHS

These were regularly inspected by the Medical Officer of Health and the Sanitary Inspectors. Frequent examinations of the water were carried out and the results showed that a satisfactory standard of purity was maintained.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES

Notifiable Infectious Diseases

The following are the infectious diseases which are now notifiable to the Medical Officer of Health:—

- Scarlet fever
- Whooping cough
- Diphtheria
- Measles
- Acute pneumonia (primary or influenzal)
- Meningococcal infection
- Acute poliomyelitis—
 - paralytic
 - non-paralytic
- Acute encephalitis—
 - infective
 - post-infectious
- Dysentery
- Ophthalmia neonatorum
- Puerperal pyrexia
- Smallpox
- Typhoid and Para-typhoid fevers
- Food poisoning
- Erysipelas
- Malaria
- Cholera
- Plague
- Typhus fever
- Relapsing fever
- Tuberculosis (all forms)

NOTIFIED INFECTIOUS DISEASES — 1954 (Corrected in Cases of Revised Diagnosis)

	Under 1 year	1	2	3	4	5-9	10-14	15-19	20-24	25-34	35-44	45-64	65 and over	Total	Admitted to Isolation Hospital
Scarlet Fever ...	—	—	4	2	7	19	4	—	—	1	1	—	—	38	30
Diphtheria ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough ...	26	36	48	53	61	200	10	—	—	4	—	3	3	444	12
Measles ...	—	1	—	—	—	—	1	—	—	—	—	—	—	2	—
Pneumonia ...	—	—	1	1	—	—	—	—	1	1	1	4	2	11	—
Acute Poliomyelitis (Paralytic) ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis (Non-Paralytic) ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhoid Fever ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paratyphoid Fever ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery ...	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—
Ophthalmia Neonatorum	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia ...	—	—	—	—	—	—	—	—	1	—	1	—	—	5	—
Meningococcal Infection	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas ...	—	—	—	—	—	—	—	—	—	—	—	4	5	9	4
Food Poisoning ...	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—
	27	37	53	56	68	219	16	—	2	9	3	11	10	511	46

DIPHTHERIA

For the seventh year in succession there were no cases of Diphtheria in the Borough.

Successful as the diphtheria immunisation scheme has been, it cannot be stressed too often that any complacency in this respect may well be disastrous. Immunisation before a child is 12 months old and a reinforcing injection at 5 years should be an absolute rule for all.

WHOOPING COUGH

There were 444 cases of whooping cough notified during the year, of which 12 cases were admitted to hospital. Modern treatment can do much to either eliminate or modify the severity of the complications of this disease, but even so, whooping cough now ranks as the most serious of the infectious diseases usually contracted in childhood.

Although the findings of the Medical Research Council on whooping cough immunisation are still awaited, it does appear that modern vaccines are becoming increasingly effective and it would, therefore, seem to be unreasonable not to proceed with schemes for protection against this disease.

SCARLET FEVER

The number of confirmed cases was 38, of which 30 were treated in hospital. There were no deaths, and in all cases admitted to hospital modern treatment modified the severity of the disease, shortened its duration and completely eliminated any complications.

OUTBREAK of GASTRO-ENTERITIS in a RESIDENTIAL NURSERY

An outbreak of gastro-enteritis occurred during the summer at a private residential nursery in the Borough.

At the commencement of the outbreak there were resident at the nursery eight infants, all under twelve months. With one exception all were affected and treatment was arranged at Foredown and Swandean Hospitals. Apart from one fatal case, the infection was mild in its character.

The cause of the infection proved to be bacterial, and of a type which had led to similar outbreaks elsewhere.

ADMISSION OF CASES TO INFECTIOUS DISEASE HOSPITALS

The following Worthing cases were admitted during the year:—

Swandean Hospital

Scarlet fever	..	..	..	..	30
Streptococcal sore throat			..	..	3
Chicken pox	..	..	..	..	2
Mumps	..	..	..	..	1
Whooping cough		..	..	..	11
Erysipelas	..	..	..	..	4
Meningitis (virus type)	..		..	..	1
Rubella	..	..	..	..	1
Acute infective hepatitis			..	..	1
Glandular fever		..	..	..	3
Gastro-enteritis		..	..	..	7
Submaxillary abscess	..		..	..	1
Broncho-pneumonia	..		..	..	1
Erythema nodosum	..		..	..	1
Acute eczema	..	..	..	..	1
Impetigo	..	..	..	..	1
Pleural effusion	..	..	..	..	1
Observation cases	..	..	..	..	5
					—
					75
					—

Foredown Infectious Diseases Hospital

Whooping cough	..	..	..	1
Subarachnoid Haemorrhage		..	..	1
Tonsillitis	..	..	..	1

Portsmouth Infectious Diseases Hospital

Infective hepatitis and diabetes	1
----------------------------------	----	----	---

TUBERCULOSIS

There were 28 cases of pulmonary tuberculosis notified for the first time during the year.

68 new cases were added to the Register during 1954:—

Pulmonary—Males ..	30	Non-Pulmonary—Males ..	1
Females ..	34	Females ..	3
	—		—
	64		4
	—		—

57 cases were removed from the Register during the year, and 8 old cases were restored.

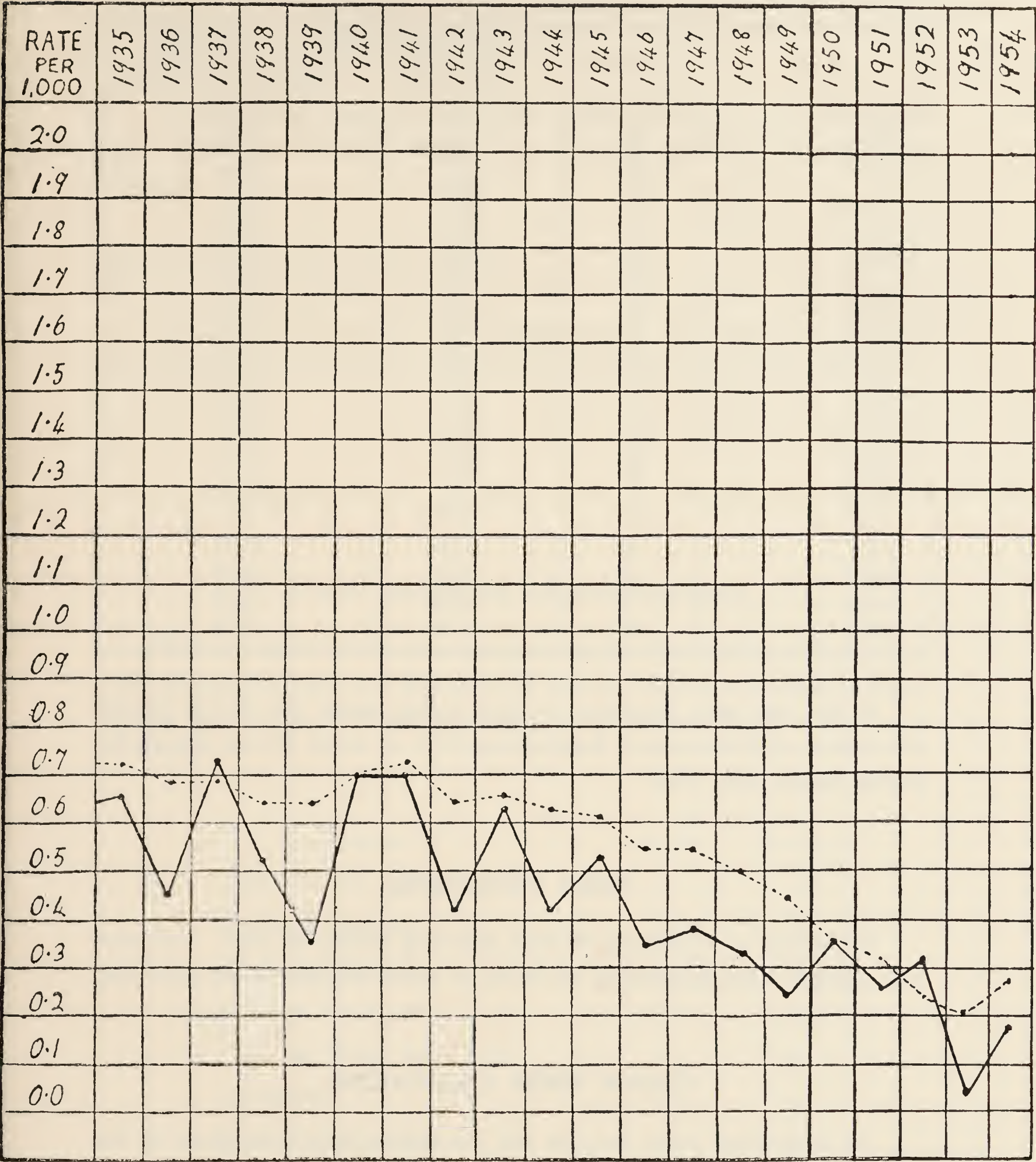
Tuberculosis Cases on the Register at 31st December, 1954 :—

	Males	Females	Total
Pulmonary	253	242	495
Non-pulmonary ..	45	60	105
Totals ..	298	302	600

Table showing new cases in 1954 and mortality

Age periods	New cases				Deaths			
	Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
	M	F	M	F	M	F	M	F
Under 1 year	1	—	—	—	—	—	—	—
1—4 years	—	—	—	1	—	—	—	—
5—14 „	—	1	—	—	—	—	—	—
15—24 „	6	9	—	—	—	—	—	—
25—34 „	6	7	1	—	—	—	—	—
35—44 „	2	8	—	—	1	—	—	—
45—54 „	3	5	—	—	1	1	—	—
55—64 „	8	1	—	1	2	—	—	—
65 years and over ..	4	3	—	1	4	4	—	—
TOTALS	30	34	1	3	8	5	—	—

CHART SHOWING WORTHING TUBERCULOSIS DEATH RATE SINCE 1935



(Dotted line represents Rate for England and Wales)

The following table shows the mortality from tuberculosis (all forms) since 1935:—

Year	Deaths	Death Rate per 1,000 of the population	
		Worthing	England and Wales
1935	36	0.67	0.72
1936	25	0.45	0.69
1937	42	0.72	0.70
1938	31	0.52	0.64
1939	26	0.34	0.64
1940	48	0.70	0.70
1941	39	0.70	0.73
1942	23	0.42	0.66
1943	33	0.63	0.67
1944	23	0.42	0.63
1945	32	0.54	0.62
1946	22	0.34	0.55
1947	26	0.38	0.55
1948	23	0.34	0.51
1949	18	0.26	0.45
1950	25	0.37	0.36
1951	18	0.26	0.31
1952	21	0.31	0.24
1953	3	0.04	0.20
1954	13	0.19	0.28

It has not been necessary to take action under the Public Health (Prevention of Tuberculosis) Regulations, 1925, or under Section 172 of the Public Health Act, 1936.

FOOD POISONING

There were no outbreaks of food poisoning during the year. One case was notified to the department, the cause of which was Salmonella infection.

CLEAN FOOD CAMPAIGNS

As in previous years, lectures and discussions have been given by the Medical Officer of Health and the Chief Sanitary Inspector to a number of local organisations. Food traders' organisations have been approached and lectures given to food handlers.

THE NATIONAL ASSISTANCE ACT, 1948

Section 47. Removal to suitable premises of persons in need of care and attention.

No legal proceedings were necessary during the year. In the few cases where difficulties occurred, informal action was sufficient to cope with the situation.

Section 50. Burial of the Dead.

Under this Section of the Act it was necessary to arrange for the burial of seventeen persons where no suitable arrangements were being made.

STAFF MEDICAL EXAMINATIONS

Medical examinations are undertaken by the Department in connection with new appointments and admission of student teachers to training colleges. During the year, 61 such examinations were carried out, details of which are as follows:—

<i>Department</i>				<i>Males</i>	<i>Females</i>
Town Clerk's	..	..	—	1	
Borough Engineer's	..	..	6	3	
Medical Officer's	..	..	1	2	
Borough Treasurer's	..	..	3	2	
Borough Water Engineer's	..	..	1	—	
Education	..	..	3	1	
Borough Librarian's	..	..	1	1	
Training Colleges	..	..	6	30	
Total				21	40

Occasionally similar examinations are carried out at the request of other Local Authorities and during 1954 three such examinations were undertaken.

THE PROBLEM OF THE AGED IN WORTHING

During the year the 1951 Census Report for the County of Sussex was published, and this revealed that the percentage of the total population of the Borough in the "pensionable age" groups has risen to 29.6, which represents over 20,000 persons. The problem which has been created has important repercussions on many departments of the health services and on the activities of many voluntary organisations.

The principal services concerned with the care of the aged are as follows:—

- (a) *Housing.* Special housing provision suitable for ageing persons is, in my opinion, of paramount importance, as removal to residential homes or institutions is often quite unnecessary where such provision exists. There is a real need for many more dwellings of this type, and the matter is at present under consideration by the Housing Committee of the Borough Council.

The Authority has provided approximately 2,400 houses and flats under the Housing Acts, etc., but the total number of "units of accommodation" for aged persons (including Pearson's Retreat and the Coronation Homelets) is only 88. The actual number required is difficult to ascertain, but a proportion of one house in seven or eight has been quoted by a leading authority on geriatrics. This would amount to 300 such units—a figure which is almost certainly an underestimate for this Borough. Siting of this special housing is all-important and to move ageing persons to fringe areas far removed from amenities is quite wrong. Recent legislation in the Housing Rent and Repairs Act, 1954, will almost certainly provide the Authority with opportunities to deal with this important point when clearance areas are made.

- (b) *Care of the aged in their own homes.* Under this heading there are the General Medical Services (West Sussex Executive Council), the Domiciliary Nursing and Domestic Help Services (West Sussex County Council), the Night Sitter Service (Worthing Council of Social Service), and the "Meals on Wheels" Service (Women's Voluntary Service). All these services are well co-ordinated, and do much to keep the aged persons in their own homes.
- (c) *Residential care of the Aged.* This consists in the main of accommodation provided by the Welfare Authority (West Sussex County Council) in special homes or institutions, and in addition there are two excellent homes in the Borough run by the Worthing Council of Social Service.
- (d) *Hospital provision.* This is the responsibility of the South West Metropolitan Regional Hospital Board, functioning through the Worthing Group Hospital Management Committee, and the main geriatric unit is at Southlands Hospital.

(e) *Other activities.* In addition to the main provisions outlined in the previous paragraphs, there are “Darby and Joan Clubs” and many other schemes run by voluntary organisations. The amount of assistance given to the aged by the various voluntary bodies is very considerable indeed, and perhaps the one criticism that can be made is some lack of co-ordination which at times leads to overlapping and wasted effort.

It is important that this great problem should be viewed in its correct perspective, and it should be noted that less than three per cent. of aged persons appear to need institutional or hospital care—or in other words, 97 per cent. can live independent lives and remain in their own homes. It cannot be stressed too often that the most important needs for the aged are special housing accommodation and the ancillary domiciliary services. To assist the ageing to continue to live at home is not only sound economics, but it also allows them to retain that measure of independence which is so important for their happiness.

SANITARY INSPECTION OF THE AREA

This is under the supervision of the Chief Sanitary Inspector, who has supplied me with the following report:—

GENERAL INSPECTIONS

General inspections included the following:—

Houses	..	..	..	..	..	..	400
Factories	..	..	..	..	..	..	487
Bakehouses	..	..	..	..	..	..	89
Restaurant Kitchens	..	..	..	..	..	..	256
Workplaces	..	..	..	..	..	..	73
Dairies	..	..	..	..	..	..	41
Ice Cream Premises	..	..	..	..	..	..	288
Food Shops	..	..	..	..	..	..	1967
Schools	..	..	..	..	..	..	51
Drainage	..	..	..	..	..	..	641
Smoke Observations	..	..	..	..	..	..	46
Shops Act	..	..	..	..	..	..	92
Pest Destruction	..	..	..	..	..	..	171
Merchandise Marks Act	..	..	..	..	..	..	96
Miscellaneous	..	..	..	..	..	..	496

359 Public Health nuisances or contraventions were recorded and 320 were remedied before the end of the year.

SANITARY DEFECTS AND NUISANCES RECORDED INCLUDED THE FOLLOWING :—

Houses :

Roofs defective	..	..	..	..	..	43
Rainwater conductors defective	..	..	..	..	..	30
Chimney stacks and external walls defective	..	..	..	..	..	13
Verminous	..	..	..	..	..	52
Re-decorations requested	..	..	..	..	..	27
Wall plaster defective	..	..	..	..	..	24
Wall dampness	..	..	..	..	..	25
Cooking ranges, fireplaces defective	..	..	..	..	..	4
Window frames or cords defective	..	..	..	..	..	27
Floors, staircases defective	..	..	..	..	..	11
Insanitary yards	..	..	..	..	..	20
Vacant land insanitary	..	..	..	..	..	14
Animals improperly kept	..	..	..	..	..	6

Drainage :

Requiring reconstruction	..	..	..	..	5
Defective condition	..	..	..	..	25
Choked	..	..	..	..	135
W.C.'s defective	..	..	..	..	29

Defects recorded under the "Slum Clearance" survey are not included in the above.

COMPLAINTS

1186 complaints were received and investigated. They are classified as follows:—

Housing, general defects	..	..	..	..	..	84
Dampness	..	..	..	..	..	87
Dirty conditions	..	..	..	..	..	14
Overcrowding	..	..	..	..	..	14
Vermin	..	..	..	..	..	29
Wasps	..	..	..	..	..	60
Other insects	..	..	..	..	..	71
Smoke nuisances	..	..	..	..	..	11
Animals improperly kept	..	..	..	..	..	10
Yards—insanitary	..	..	..	..	..	30
Vacant land—insanitary	..	..	..	..	..	24
Drains or sewers choked	..	..	..	..	..	84
Defective drainage systems	..	..	..	..	..	34
W.C.'s defective	..	..	..	..	..	33
Offensive smells	..	..	..	..	..	34
Refuse bins defective	..	..	..	..	..	7
Rats	..	..	..	..	..	342
Mice	..	..	..	..	..	167
Miscellaneous	..	..	..	..	..	51

An increased number of complaints was received during the year, particularly as regards rat and mouse infestations. In many instances the subject of the complaint was causing annoyance, such as accumulations of refuse on vacant plots of land, but did not constitute a nuisance within the meaning of public health legislation. In such cases advice was given and in some cases informal action was taken to remove or alleviate the annoyance.

HOUSING

A "Slum Clearance" Survey was carried out during the year which involved a detailed inspection and measuring of size of rooms, ceiling heights and window areas of 144 houses, and a comprehensive report was submitted to the Health Committee at the December Meeting. The report recommended the demolition or closure of 88 houses and the re-housing of 202 people. A decision as regards 16 border-line standard type of houses was deferred pending negotiation with owners. Statutory action by the Committee was taken early in 1955.

Closing Orders were made in respect of 2 houses and 1 basement dwelling.

Four Closing Orders were cancelled after houses had been re-conditioned.

Housing repairs were carried out at 94 houses.

HOUSING REPAIRS & RENTS ACT, 1954

Only one application was received before the end of the year for a Certificate of Disrepair, and a Certificate was refused.

PUBLIC HEALTH ACT, 1936 — CARAVANS

There is no licensed camping site within the Borough.

At the end of the year there were nine caravans controlled under licences granted for periods of twelve months or less.

RODENT CONTROL

No. of complaints received	..	..	..	..	509
No. of visits by Rodent Operators	..	..	..	..	3,795
No. of premises cleared	..	..	..	..	535
Amount of poison bait taken	..	..	..	..	14,346 ozs.

12 major infestations, 7 rat and 5 mice, were found and cleared.

Rodent destruction was carried out on payment at 133 premises, *i.e.* Agricultural 23, Business and other Premises 110 (rats 39 ; mice 71).

These figures show a general increase in rodent destruction work over the previous year, an experience common to most parts of the Country.

No charge is made for the service of a Rodent Operator at private houses.

SEWER RATS. Two treatments of the sewers were carried out. 125 chambers were found to be rat infested during the Spring treatment and 65 during the Autumn treatment. Over $2\frac{3}{4}$ cwt. of prebait or poison bait was laid.

Nine of the eighteen areas into which the Borough is divided are now free from rats, as compared with one in 1944 when the scheme first commenced.

FACTORIES ACT, 1937 and 1948

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors).

Premises	Number on Register	Number of Inspections	Written Notices
(i) Factories in which Sections 1, 2, 3, 4, and 6 are to be enforced by Local Authorities	42	90	3
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	224	577	3
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises).	43	45	—
TOTAL	309	712	6

2. Cases in which DEFECTS were found.

Particulars	Number of cases in which defects were found			
	Found	Remedied	Referred	
			To H.M. Inspector	By H.M. Inspector
Want of cleanliness (S.1.)	8	7	—	2
Overcrowding (S.2)	—	—	—	—
Unreasonable temperature (S.3)	—	—	—	—
Inadequate ventilation (S.4)	—	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	—
Sanitary Conveniences (S.7)				
(a) insufficient	—	—	—	2
(b) unsuitable or defective	5	7	—	2
(c) not separate for sexes	1	—	—	—
Other offences against the Act (not including offences relating to Outwork)	6	7	2	1
TOTAL	20	21	2	7

FIRE ESCAPE. Two Certificates of Adequate Means of Escape in Case of Fire were granted during the year, making a total of 60 operative within the Borough.

SHOPS ACT, 1934—SEC. 10. Forty-five Exemption Certificates are in operation in respect of shops which are provided with alternative suitable sanitary accommodation or washing facilities.

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

Three premises were registered, and one licensed, pursuant to the requirements of the above Act.

Four samples of rag flock or other fillings were taken and analysed pursuant to the Act and Regulations. All were satisfactory.

OFFENSIVE TRADES

The only offensive trades in the Borough relate to two firms registered to deal in rags, bones and skins.

DISINFECTION AND DISINFESTATION

664 articles fumigated by steam disinfection included the following:—

Blankets and rugs	78
Sheets, eiderdowns, etc. .. .	42
Mattresses and feather beds .. .	84
Pillows, bolsters, cushions .. .	245
Quilts, etc. .. .	15
Carpets and underfelts .. .	41
Miscellaneous articles .. .	159
Number of rooms disinfected .. .	84
Number of rooms disinfested .. .	176
Revenue received:—	
For disinfection .. .	£17 18s. 7d.
For disinfestation .. .	£66 11s. 8d.

PEST DESTRUCTION. Disinfestation work was carried out at 84 premises, *i.e.* 40 to destroy beetles, 33 wasps' nests and 11 woodworm, etc., on payments totalling .. . £53 11s. 2d.

NOTICES SERVED TO REMEDY DEFECTS OR ABATE NUISANCES OR CONTRAVENTIONS

<i>Act</i>	<i>Informal</i>	<i>Statutory</i>
Public Health Act, 1936—		
Section 92 (defects and nuisances) .. .	58	1
„ 39 (drainage and appliances) .. .	20	1
„ 44-45-46 (water closets) .. .	24	
(miscellaneous) .. .	12	
Worthing Corporation Act (refuse bins) .. .	10	1
Housing Acts .. .	67	9
Food and Drugs Act, 1938-1950—		
Section 13 (food preparing) .. .	18	
Food Hygiene Byelaws .. .	7	
Milk and Dairies Regulations .. .	3	
Prevention of Damage by Pests Act, 1949 .. .	12	
Factories Act, 1937-1948 .. .	12	
Shops Act, 1950 .. .	2	
Merchandise Marks Act .. .	4	
Slaughtering of Animals Act .. .	2	
Meat Regulations .. .	3	
Total .. .	254	12

Sewers serving 234 houses found to be choked were cleansed by the Corporation.

32 houses were re-drained to main sewers and the cesspools abolished.

MEAT AND FOOD EXAMINATION

On the termination of the Government's centralised slaughtering scheme the local Regional Slaughterhouse was licensed to a local butcher as having adequate facilities to meet traders' needs in Worthing and district. The slaughterhouse was later enlarged and improved and subsequently further extended under licence to include adjoining premises.

An application for a licence to re-open a pre-war slaughterhouse in Norfolk Street was refused.

Twelve persons were licensed to slaughter animals under the Slaughter of Animals Act, 1933-1954.

All animals were slaughtered with the aid of mechanically operated humane instruments.

The carcase of every animal slaughtered was examined ; this entailed a vast amount of late night and Sunday work. 661 attendances were made at the slaughterhouse.

18,283 animals, *i.e.* 2,815 beasts, 1,686 calves, 6,641 sheep and 7,141 pigs were slaughtered and examined.

Approximately 18 tons of meat were found to be diseased and unfit for food. This was salvaged for animal feeding, fat rendering or fertilizers.

Meat found to be diseased included:—

Entire Carcases:

Beasts	..	..	..	..	..	..	25
Calves	..	..	..	..	..	..	3
Sheep	..	..	..	..	..	..	7
Pigs	..	..	..	..	..	..	37

Offals:

			<i>Beasts</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>
Heads and Tongues	..	..	160	2	1	72
Livers (or part)	..	..	660	6	195	241

Carcases Inspected and Condemned

	Cattle excl. Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	2,252	563	1,686	6,641	7,141
Number inspected	2,252	563	1,686	6,641	7,141
All diseases except Tuberculosis Whole carcasses condemned ..	1	6	3	7	26
Carcases of which some part of organ was condemned	407	166	5	162	347
Percentage of the number inspected affected with disease other than tuberculosis	18.1	30.6	0.5	2.6	5.2
Tuberculosis only Whole carcasses condemned ..	4	14	—	—	11
Carcases of which some part or organ was condemned	184	126	1	—	85
Percentage of the number inspected affected with tuberculosis ..	8.3	25.2	0.1	—	1.3

It is of interest to note as regards the health of dairy cattle, that of the beasts killed at the local slaughterhouse, the percentage of those affected with tuberculosis has shown no reduction during recent years.

Requests from local food tradesmen to examine foodstuffs of a doubtful character are received almost daily, and the undermentioned were found to be diseased or unsound and were condemned as being unfit for human food.

				<i>Tins, Jars</i>	<i>lbs.</i>	<i>Number</i>
Vegetables :						
Peas	..	..	..	702		
Baked Beans		..	..	158		
Spaghetti	..	..	..	58		
Carrots	..	..	..	53		
Others	..	..	..	10		
Soups	..	..	..	168		
Sauces, Pickles	..	..	..	36		
Meat, fresh	..	..	..		135	
tinned	..	..	..	404		
ham, bacon		..	..	20	118	
sausages	..	..	..		624	
Fish, wet	..	..	..		350	
tinned	..	..	..	59		
boxes	..	..	..			25
cod roe	..	..	..		14	
crabs	..	..	..			16
escallops	..	..	..			60
Fruit, fresh (cases)		..	..			45
tinned	..	..	..	1265		
jam, etc.	..	..	..	207		
Milk, tinned	..	..	..	366		
Cheese (boxes)	..	..	..	110		
„	..	..	..		150	
Eggs	..	..	..			854
„ liquid	..	..	..		112	
Sweets	..	..	..		65	
Biscuits	..	..	..		22	
Puddings	..	..	..			34

84 premises are registered for the manufacture of sausages or potted, pressed, pickled or preserved food for sale.

MILK

537 samples were taken and the following is a synopsis of the results:—

Examination for Bacterial Cleanliness.

<i>Designation</i>	<i>No. taken</i>	<i>Unsatisfactory</i>
Tuberculin Tested	92	9
Tuberculin Tested (Pasteurised)	42	2
Pasteurised	142	3

Examination for M. Tuberculosis. 199 samples were examined for the presence of M. Tuberculosis, and four samples proved to be positive. *Brucella abortus* was isolated in fourteen samples.

Examination to detect Adulteration or Abstraction. 62 samples were analysed, details of which are given in the Food and Drugs section on page 41.

Several changes in the processing and distribution of milk took place locally during the year and four Pasteurising Licences lapsed. In one case one firm was taken over by another firm. In three other instances, however, firms who were licensed to pasteurise ceased to do so and diverted their milk supplies to dairy firms outside the Borough where the milk is pasteurised and bottled and returned to the dairies concerned ready for retail distribution.

Sampling arrangements were adjusted accordingly.

Graded Milk. The following annual licences were granted under the appropriate Regulations:—

To retail Tuberculin Tested or Tuberculin Tested Pasteurised Milk	19
To Pasteurise	2
To retail Pasteurised or Sterilized Milk	38
Supplementary, Sterilized Milk	1

ICE CREAM

4 premises are registered for the manufacture of ice cream and 196 for the storage and sale of ice cream, mostly prepacked, as compared with 16 and 165 respectively five years ago.

16 samples were taken and analysed for bacterial cleanliness, with the following results:—

Grade I	7%
Grade II	7%
*Grade III	2%
*Grade IV	—

* *Unsatisfactory.*

The requirements of the Heat Treatment Regulations are rigidly enforced, particularly as regards protecting ice cream from contamination by dust or unclean apparatus, etc., during its manufacture, storage or sale.

88 visits were made to ice cream premises, and manufacturers and retailers of loose ice cream were advised as regards the necessity for, and general use of, detergents and sterilizing agents for the cleansing of cabinets, apparatus and utensils.

4 samples were analysed as regards fat content, and all proved to be satisfactory.

FOOD AND DRUGS ACT, 1938 — Section 3

DEFENCE (SALE OF FOOD) REGULATIONS, 1943

82 samples of food were submitted for analysis by the Public Analyst:—

<i>Description</i>	<i>No. Analysed</i>
Milk	46
Milk, Channel Island	11
Cream	5
Ice Cream	4
Beef Sausages or Sausage Meat	1
Pork Sausages or Sausage Meat	14
Wine	1

23 samples were deficient in solids, not fat, ranging between 0.2% and 16.8%.

Two samples of sausages contained preservatives, the presence of which was not disclosed. The nature and amount of the preservatives used complied with the Regulations.

One sample of wine contravened Labelling Order requirements.

Five samples of pork sausages or pork sausage meat were deficient in meat content varying between 5% and 18% as compared with the former legal standard (now revoked).

FOOD HYGIENE. An improvement of conditions under which food was being prepared was brought about at 25 premises after service of written requests. 8 complaints alleging unclean food were investigated and the necessary action taken.

Only two complaints were received alleging unclean premises or lack of hygiene.

Lectures to food traders or associations are given whenever an opportunity arises.

ANNUAL REPORT
of the
Meteorological Observations
for 1954

METEOROLOGICAL OBSERVATIONS

FOR THE YEAR 1954

The Meteorological Station is in Beach House Park, which is 25.00 feet above Ordnance Datum. Here all the instruments, except the Fortin Standard Barometer and the Sunshine Recorder, are kept.

The shade thermometers, in a Stevenson screen, are:—self-recording maximum, self-recording minimum, dry bulb and wet bulb.

All thermometers are Fahrenheit and are verified at the National Physical Laboratory, Kew.

A self-recording minimum thermometer is used for registering the temperature on the grass.

Four earth thermometers are in use at various depths—1ft., 2ft., 4ft. and 6ft.

There is an official five-inch Copper Rain Gauge, Meteorological Office pattern, also a Dines Tilting Siphon Automatic Rain Recorder.

The Campbell-Stokes Sunshine Recorder is fixed on a platform at the top of Christ Church Tower, 111 feet above mean sea level and 84 feet above ground level.

All instruments at the local Meteorological Observatory are examined and tested periodically by Officers of the Meteorological Office, Air Ministry, London.

A code report is sent by telegram each evening to the Meteorological Office, London, and the leading newspapers are supplied with reports from that Office.

Weekly reports are sent to the local newspapers, and a full report monthly to the Meteorological Office, London, for publication in their journals. Rainfall statistics are supplied to the British Rainfall Organisation.

The daily weather report of the Air Ministry, the previous day's sunshine card and a collection of charts and records are also exhibited in the windows of the information bureau at the Pier.

This report contains statistics showing the means for the year of Barometric pressure, Air and Earth temperatures, Sunshine, Wind and Humidity, compared with the averages for a series of years.

Observations are taken every day throughout the year at 9 a.m. and 6 p.m.

ABSTRACT OF OBSERVATIONS FOR THE YEAR 1954

Total amount of bright sunshine: 1,687.3 hours.

Number of days with sunshine: 301.

Rainfall: 30.28 inches.

Number of rain-days (.01 inch or more): 188.

Number of wet days (.04 inch or more): 128.

Highest barometric reading: 30.664 inches on November 16th.

Lowest reading: 28.558 inches on December 9th.

Warmest day: May 12th ; August 4th (75°).

Coldest night: February 1st (18°).

Coldest day: February 1st (27°).

Warmest night: August 4th (63°).

Warmest month (by day): August (average temperature 66°).

Coldest month (by night): January (average temperature 34°).

Mean temperature: 50.7°.

Mean relative humidity: at 9 a.m. 82%.

Lowest temperature on the grass: 15° on February 1st.

Wettest day: July 25th, 1.81 inches.

Sunniest day: June 20th, 14.4 hours.

Number of days snow or sleet fell: 12.

Number of days hail fell: 2.

Number of days thunder heard: 6.

Number of ground frosts: 67.

Number of days with wind at gale force: 7.

Number of days with fog: 3.

BRIGHT SUNSHINE

The duration of bright sunshine for the year was 1687.3 hours, the lowest total since 1937.

This amount is 37.9 per cent. of the time during which the sun was above the horizon, giving a daily mean of 4.62 hours. The average yearly sunshine for the previous ten years was 1872.8 hours. During this period the year with the highest record was 1949, when 2,128.9 hours were recorded, whilst the year 1944 was the lowest with 1,765.5 hours. The sunniest day was June 20th, when 14.4 hours were recorded.

April, with 226.1 hours, was the sunniest month, and December with 56.5 hours, was the least sunny.

A sunless day is one on which less than 6 minutes of bright sunshine are recorded.

RAINFALL

The rainfall for the year 1954 was 30.28 inches. This amount is 2.85 inches above the Normal and 3.55 inches above the previous ten years' average.

The month of April was the driest with 0.42 inch, falling below the Normal amount by 1.15 inches. November was the wettest month with 5.18 inches, this amount being 2.00 inches above the Normal. The heaviest day's rainfall was 1.81 inches on July 25th. There were 188 days on which 0.01 inch or more rain fell, compared with 150 days which is the average number for the previous ten years.

One inch of rainfall is equivalent to 100.925 tons per acre or 14.4686 millions of gallons per square mile.

WINTER RAINFALL. Total for six months (January to March and October to December) was 16.51 inches, compared with an average winter rainfall for the previous 10 years of 14.70 inches.

SUMMER RAINFALL. Total for six months (April 1st to September 30th) was 13.77 inches, compared with an average summer rainfall for the previous ten years of 12.32 inches.

HUMIDITY

The mean relative humidity of the atmosphere (percentage of saturation of the air) at 9 a.m. was 81.7%, compared with the previous five years' average of 82.4%.

BAROMETER

The mean barometric reading for the year was 29.972 inches (when reduced to sea level and to a temperature of 32° Fahr.) the average for the previous five years being 29.998 inches. The highest reading for the year was 30.664 inches on November 16th, and the lowest reading was 28.558 inches on December 9th. The absolute range for the year was 2.106 inches and the average range for the previous five years 1.938 inches.

One inch barometric pressure is equivalent to 70.727 lbs. per square foot.

TEMPERATURE

The mean temperature for the year was 50.7 Fahr., which is 0.3° below the Normal. Since 1881 the warmest year was 1949 with a mean temperature of 52.8°. The highest shade temperature for 1954 was 75° recorded on May 12th and August 4th, and the lowest 18° on February 1st. The extreme range of temperature was 57° compared with the average range of 55.4° for the previous five years. The temperature on the grass fell below 30.4° on 67 nights. The lowest temperature on the grass was 15° during the night of February 1st.

EARTH TEMPERATURES. The highest and lowest temperatures at various depths in the earth were as follows:—

<i>Below Surface</i>	<i>Highest</i>	<i>Date</i>	<i>Lowest</i>	<i>Date</i>
1 ft.	65.9°	August 4th	34.0°	Feb. 5th, 6th, 7th, 8th & 9th
4 ft.	60.5°	August 10th	41.1°	Feb. 12th & 13th

WIND

Percentages of direction of wind from 730 observations taken at 9 a.m. and 6 p.m. throughout the year:—

	<i>9 a.m. %</i>	<i>6 p.m. %</i>		<i>9 a.m. %</i>	<i>6 p.m. %</i>
N.	9.3	6.0	S.	3.3	5.5
N.E.	12.9	10.4	S.W.	27.1	21.4
E.	2.2	2.2	W.	17.0	33.6
S.E.	6.9	6.6	N.W.	21.3	14.3
Calm	—	—			

TABLE 1 — CLOUD AND HUMIDITY

Month.			Cloud Amount Scale 1–8		Mean Relative Humidity	Mean Humidity previous 5 years 1949–1953
			9 a.m.	6 p.m.	9 a.m.	9 a.m.
January	..	..	5	6	$\frac{\%}{85}$	$\frac{\%}{88}$
February	..	..	7	6	87	88
March	..	..	6	5	85	85
April	..	..	4	4	68	80
May	..	..	4	5	69	77
June	..	..	6	5	80	75
July	..	..	6	6	78	77
August	..	..	6	5	82	78
September	..	..	5	4	81	80
October	..	..	6	6	87	83
November	..	..	5	6	88	87
December	..	..	6	6	89	90
Year 1954	..		6	5	82	Yearly average 82

TABLE 2 — **BRIGHT SUNSHINE (Mainland Stations)**

(Extract from Table of Official Returns of the Meteorological Office, Air Ministry).

<i>Town</i>					<i>Hours of Sunshine Year 1954</i>
Weymouth	..	..	..	..	1709.0
Exmouth	..	..	..	..	1689.1
WORTHING	..	..	..	..	1687.3
Poole	..	..	..	..	1676.9
Torquay	..	..	..	..	1675.9
Eastbourne	..	..	..	..	1661.5
Dale Fort (Pembroke)	..	..	..	..	1661.0
Swanage	..	..	..	..	1654.8
Penzance	..	..	..	..	1651.6
Lizard	..	..	..	..	1624.0
Bournemouth	..	..	..	..	1622.2
Herstmonceux	..	..	..	..	1617.6
Tenby	..	..	..	..	1616.0
Teignmouth	..	..	..	..	1614.9
Seaford	..	..	..	..	1608.1
Polegate	..	..	..	..	1601.9
Brighton	..	..	..	..	1599.2
Hastings	..	..	..	..	1597.8
Starcross (Devon)	..	..	..	..	1596.3
Milford Haven	..	..	..	..	1595.3

TABLE 3 — BRIGHT SUNSHINE

Averages of bright sunshine for Mainland Stations extracted from Air Ministry official publications.

1901—1930				
<i>Town</i>				<i>Hours of Sunshine</i>
WORTHING	..	..	..	1834
Bognor Regis	..	..	..	1827
Eastbourne	..	..	..	1826
Hastings	..	..	..	1801
Southsea	..	..	..	1801
Littlehampton	..	..	..	1800

1906—1935				
<i>Town</i>				<i>Hours of Sunshine</i>
WORTHING	..	..	..	1834
Eastbourne	..	..	..	1833
Bognor Regis	..	..	..	1822
Hastings	..	..	..	1797
Littlehampton	..	..	..	1791

1921—1950				
<i>Town</i>				<i>Hours of Sunshine</i>
WORTHING	..	..	..	1838
Eastbourne	..	..	..	1828
Littlehampton	..	..	..	1792
Hastings	..	..	..	1786
Southsea	..	..	..	1779
Bognor Regis	..	..	..	1774
Margate	..	..	..	1771

TABLE 4 — BRIGHT SUNSHINE

Month	Total Hours Bright Sunshine	Average for 30 years 1921-1950	Hours Daily Mean	Percentage of average %	Days with Sunshine	Most in one day Hours	Monthly Totals			
							Highest		Lowest	
							Hours	Year	Hours	Year
January ..	91.3	67	2.95	136	24	7.1	109.9	1940	34.5	1912
February ..	65.5	83	2.34	80	18	7.6	140.3	1949	29.8	1947
March ..	128.9	147	4.16	88	25	10.6	220.8	1907	95.3	1916
April ..	226.1	182	7.54	124	28	13.3	267.2	1912	105.3	1905
May ..	210.9	232	6.80	91	30	13.9	353.1	1909	148.9	1932
June ..	179.9	243	5.99	75	26	14.4	318.8	1925	143.5	1909
July ..	184.3	232	5.95	79	27	14.1	369.0	1911	133.8	1944
August ..	184.8	219	5.96	84	30	12.5	298.4	1899	112.6	1912
September ..	179.0	169	5.97	106	27	11.9	262.6	1898	97.1	1945
October ..	103.5	125	3.34	83	27	8.6	181.6	1919	81.9	1915
November ..	76.6	76	2.55	101	22	8.3	131.3	1909	44.4	1934
December ..	56.5	63	1.82	91	17	6.9	96.0	1946	31.1	1903
Year 1954 ..	1687.3	1838	4.62	92	301	14.4	369.0	July 1911	29.8	Feb. 1947
Highest and Lowest Year Totals							2141.0	1899	1600.2	1913

TABLE 5 — BRIGHT SUNSHINE

Year	Campbell-Stokes Recorder Bright Sunshine Hours	Bright Sunshine Days	Sunniest Days	
			Day	Hours
1934	1811.0	289	July 10th	15.5
1935	1805.2	309	July 8th	15.0
1936	1675.0	310	June 23rd	15.2
1937	1668.3	317	June 6th	14.4
1938	1796.4	310	June 21st	15.3
1939	1809.7	310	June 1st	15.4
1940	1976.8	323	July 1st	15.2
1941	1791.7	317	June 25th	15.2
1942	1711.6	312	June 5th	14.8
1943	1864.8	313	June 24th	14.9
1944	1765.5	315	June 24th	14.9
1945	1783.9	309	June 17th	14.8
1946	1790.7	307	July 10th	15.1
1947	1896.8	294	June 10th	14.9
1948	1916.9	319	May 18th	14.9
1949	2128.9	317	July 10th	14.8
1950	1805.4	312	June 16th	15.1
1951	1838.4	297	June 19th	15.1
1952	1917.0	317	June 30th	15.1
1953	1885.1	302	July 24th	14.3
1954	1687.3	301	June 20th	14.4
Average for 20 years 1934—1953	1831.6	310		

TABLE 6 — RAINFALL

1954			Total Rain- fall	Difference from the Normal	Greatest Fall in 24 hours beginning 9 a.m.	Number of Days with		Total Rain Days
						.01 in. or more	.04 in. or more	
January	..		ins. 1.26	ins. —1.06	ins. 0.33	11	5	11
February	..		2.34	+0.37	0.50	19	12	19
March	..		3.36	+1.40	0.77	18	12	18
April	..	..	.42	—1.15	0.19	7	3	7
May	..	..	1.60	—0.05	0.35	12	8	12
June	..	..	2.45	+0.72	0.46	12	11	12
July	..	..	4.06	+2.02	1.81	14	10	14
August	..		2.73	+0.49	0.53	17	13	17
September	..		2.51	+0.39	0.35	23	18	23
October	..		1.73	—1.89	0.44	18	9	18
November	..		5.18	+2.00	1.11	23	18	23
December	..		2.64	—0.39	0.71	14	9	14
Year	..	..	30.28	+2.85	1.81	188	128	188

TABLE 7 — RAINFALL

Year	Rainfall in inches	No. of Days Rain fell (0.01 inch or more)	Greatest Fall in a Day	
			Amount in inches	Day and Month
1934	27.49	139	1.62	8th November
1935	37.74	173	1.39	7th November
1936	27.42	169	1.79	6th November
1937	31.59	162	0.87	4th February
1938	22.95	156	0.75	24th September
1939	34.42	171	1.41	13th October
1940	30.13	148	1.50	3rd November
1941	25.83	139	1.36	4th June
1942	24.62	129	1.06	25th October
1943	23.68	145	1.74	13th January
1944	22.14	136	1.22	20th October
1945	22.98	138	2.05	10th July
1946	30.96	170	2.02	16th August
1947	24.31	139	0.94	10th March
1948	25.23	154	1.41	6th August
1949	23.90	120	1.34	20th October
1950	26.95	157	0.89	20th November
1951	37.98	184	1.40	11th June
1952	28.54	175	1.29	30th September
1953	24.33	125	1.22	12th October
Average for 20 years	27.66	152	2.05	10th July 1945
1954	30.28	188	1.81	25th July

TABLE 8 — BAROMETRIC PRESSURE AND TEMPERATURE

1954	Barometric Pressure (Reduced to Sea Level and 32° Fahr.)			Air Temperature in Screen					
	Mean Inches.	Extremes.		Means of		Mean of A & B	Difference from Normal	Extremes	
		Highest	Lowest	A Max.	B Min.			Max.	Min.
January	30.152	30.628	29.560	42.4	33.8	38.1	—2.8	52	19
February	29.831	30.354	29.285	42.2	34.3	38.2	—2.6	50	18
March	29.783	30.199	28.834	49.2	39.9	44.5	+0.7	57	27
April	30.273	30.619	29.667	53.5	39.0	46.3	—1.7	61	34
May	29.999	30.309	29.306	60.6	47.4	54.0	+0.4	75	39
June	29.990	30.289	29.421	62.7	52.3	57.5	—1.6	70	48
July	29.943	30.300	29.439	65.4	54.1	59.7	—2.8	73	45
August	29.885	30.298	29.326	66.4	55.3	60.8	—1.7	75	49
September	29.937	30.228	29.629	64.4	52.4	58.4	—1.1	72	41
October	29.991	30.405	29.122	60.9	50.9	55.9	+3.1	66	35
November	29.908	30.664	29.196	53.3	42.3	47.8	+1.6	61	32
December	29.977	30.474	28.588	50.2	41.5	45.9	+4.1	57	30
Year 1954	29.973	30.664	28.588	56.0	45.3	50.7	—0.3	75	18

TABLE 9 — WINDS

Month.	9 a.m. OBSERVATIONS.—DIRECTION.								
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January	7	6	1	3	—	2	4	8	—
February	1	9	—	1	3	8	1	5	—
March	3	7	1	4	—	8	1	7	—
April	5	12	1	2	—	3	2	5	—
May	6	3	1	2	2	8	3	6	—
June	3	1	1	1	2	10	7	5	—
July	2	—	—	—	—	9	15	5	—
August	1	2	1	2	1	12	5	7	—
September	1	2	1	2	—	12	5	7	—
October	1	1	—	2	—	12	9	6	—
November	3	4	1	2	4	9	—	7	—
December	1	—	—	4	—	6	10	10	—
Year 1954 ..	34	47	8	25	12	99	62	78	—

Month.	6 p.m. OBSERVATIONS.—DIRECTION.								
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January	7	5	2	2	—	2	7	6	—
February	1	10	1	1	2	5	6	2	—
March	—	7	2	3	2	10	3	4	—
April	5	6	—	4	1	8	3	3	—
May	3	5	1	5	1	5	6	5	—
June	2	1	1	2	2	6	15	1	—
July	—	—	—	—	—	8	18	5	—
August	1	—	—	—	1	8	18	3	—
September	—	—	—	2	2	8	15	3	—
October	—	1	1	1	—	12	12	4	—
November	1	1	—	2	8	3	5	10	—
December	2	2	—	2	1	3	15	6	—
Year 1954 ..	22	38	8	24	20	78	123	52	—

TABLE 10 — VISIBILITY

Summary of observations taken at 9 a.m. and 6 p.m.

MONTH	FOG						MIST OR HAZE						GOOD VISIBILITY									
	A		B & C		D & E		F		G		H		I		J		K		L		M	
	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.	9 a.m.	6 p.m.
January ..	—	—	—	—	1	6	1	1	8	1	3	3	9	10	6	4	4	8	—	1	—	6
February ..	—	—	1	—	—	1	1	1	4	2	2	1	9	10	8	7	3	5	—	1	—	9
March ..	—	—	—	1	—	—	—	—	5	4	5	1	7	5	10	11	3	6	—	1	1	2
April ..	—	—	—	—	—	—	—	—	2	2	1	1	9	4	9	9	6	4	2	5	1	5
May ..	—	—	—	—	—	—	—	—	—	2	—	—	12	10	9	5	4	4	2	1	4	9
June ..	—	—	—	—	—	—	—	—	—	—	1	1	7	6	6	4	8	6	5	6	3	7
July ..	—	—	—	—	—	—	—	—	—	—	—	—	3	4	9	5	7	4	5	10	7	8
August ..	—	—	—	—	—	—	—	—	—	—	1	—	6	4	7	7	12	8	2	5	3	7
September ..	—	—	—	—	—	—	—	—	1	1	1	—	3	2	7	5	10	6	6	7	2	9
October ..	—	—	—	—	—	—	—	—	3	—	—	—	5	8	14	8	5	7	2	7	2	1
November ..	—	—	—	—	—	—	4	6	5	—	1	1	5	7	7	9	6	2	1	1	1	4
December ..	—	—	—	—	1	1	6	6	6	2	1	2	9	6	4	2	4	12	—	—	—	—
Year 1954 ..	—	—	1	1	1	2	12	14	34	14	16	10	84	76	96	76	72	72	25	45	24	55

KEY TO TABLE 10 — VISIBILITY

Letter	Standard Distance	Actual Distance	Description of visibility	Object	View Point	Bearing
A	22 yards	21 yards	Dense Fog	Chestnut tree on opposite side of road	Office Door	S.E.
B	44 yards	45 yards	Dense Fog	Chestnut tree outside entrance to "Ryecroft"	Office Gate	E.
C	110 yards	110 yards	Thick Fog	N.W. corner of Town Hall	Office Gate	E.
D	220 yards	220 yards	Fog	Christ Church Tower	Office Window	S.
E	440 yards	430 yards	Moderate Fog	Holy Trinity Church Spire	Christ Church Tower	S.W.
F	1100 yards	1100 yards	Mist or Haze	Heene Church Tower	" "	W.
G	1½ miles	1¼ miles	Poor	Tarring Church Tower	" "	N.W.
H	2½ miles	2¾ miles	Moderate	Top of High Salvington Hill	" "	N.W.
I	4½ miles	4¼ miles	Good	Highdown Hill	" "	W.N.W.
J	6¼ miles	6⅝ miles	Good	Portslade Gas Works Chimney	" "	E.
K	12½ miles	12½ miles	Very Good	Hills beyond Brighton	" "	E.
L	18⅝ miles	18¼ miles	Excellent	Selsey Bill	" "	W.S.W.
M	25 miles	27 miles	Abnormal	Beachy Head	" "	E.S.E.

TABLE 11 — CLIMATE OF WORTHING — 1900 - 1954

Year	Temperatures							Rainfall		Sunshine	Year
	Means					Extremes		Amount at Observ- atory	Number of days rain fell	Number of hours in year	
	9 a.m.	Min.	Max.	Range	Mean	Min.	Max.				
1900 ..	51.2	44.9	56.2	11.3	50.6	20.9	79.0	26.33	182	1885.6	..1900
1901 ..	50.2	43.6	55.8	12.2	49.7	22.9	80.7	21.45	139	2017.0	..1901
1902 ..	50.2	43.6	55.0	11.1	49.6	21.8	78.0	23.77	157	1661.7	..1902
1903 ..	50.9	45.2	55.4	10.2	50.3	23.7	78.2	32.19	189	1749.2	..1903
1904 ..	50.4	44.3	55.5	11.2	49.9	23.8	77.4	26.85	163	1748.4	..1904
1905 ..	50.1	42.2	55.6	11.4	49.1	23.9	77.1	24.63	162	1715.3	..1905
1906 ..	50.6	44.3	56.1	11.8	50.2	24.9	78.6	30.44	173	2010.6	..1906
1907 ..	50.2	45.1	54.8	9.5	50.0	20.4	76.1	21.78	158	1776.8	..1907
1908 ..	50.9	44.1	56.1	12.1	50.1	16.0	80.2	22.15	146	1991.3	..1908
1909 ..	49.7	43.0	54.6	11.6	48.8	19.9	81.2	32.11	178	1958.6	..1909
1910 ..	50.8	44.5	55.9	11.5	50.1	21.9	73.8	32.57	191	1731.0	..1910
1911 ..	52.8	45.1	58.0	12.9	51.5	25.4	87.9	31.68	149	2115.0	..1911
1912 ..	51.6	45.0	56.6	11.6	50.8	19.0	84.2	35.95	192	1609.9	..1912
1913 ..	52.1	45.9	57.4	11.5	51.6	26.2	79.0	34.98	170	1600.2	..1913
1914 ..	52.7	45.2	57.9	12.7	51.5	23.2	78.2	31.31	164	2000.5	..1914
1915 ..	51.1	43.8	56.3	11.8	50.5	24.7	77.1	36.64	152	1801.3	..1915
1916 ..	51.2	44.7	56.3	11.6	50.5	25.0	77.0	32.89	182	1658.0	..1916
1917 ..	49.2	43.0	54.6	11.6	48.8	20.7	79.0	25.49	147	1804.7	..1917
1918 ..	51.0	44.7	56.5	11.8	50.6	20.0	78.0	24.41	165	1856.5	..1918
1919 ..	49.4	42.9	54.9	12.0	48.9	22.0	78.5	28.54	158	1788.5	..1919
1920 ..	51.7	45.6	56.6	11.0	51.1	23.0	76.0	26.40	139	1692.1	..1920
1921 ..	53.4	46.4	58.8	12.4	52.6	27.6	86.7	13.26	108	2101.5	..1921
1922 ..	50.1	43.9	54.8	10.9	49.3	25.2	78.2	25.71	159	1781.2	..1922
1923 ..	50.8	44.5	55.6	11.1	50.1	24.0	86.0	30.62	170	1805.9	..1923
1924 ..	50.8	45.4	55.3	9.9	50.3	25.0	74.6	32.65	159	1759.6	..1924
1925 ..	49.8	44.7	55.9	11.2	50.3	24.0	80.2	34.70	158	1955.8	..1925
1926 ..	51.6	45.7	56.7	11.0	51.2	21.8	83.3	28.57	160	1677.7	..1926
1927 ..	50.8	45.0	55.8	10.8	50.4	22.4	78.1	34.88	165	1731.4	..1927
1928 ..	51.9	45.1	57.0	11.9	51.0	21.6	82.0	32.84	161	1999.1	..1928
1929 ..	50.9	44.1	56.0	11.9	50.0	13.0	80.0	29.71	134	2062.5	..1929
1930 ..	52.0	46.9	56.4	9.5	51.3	26.0	82.6	28.31	169	1821.4	..1930
1931 ..	51.0	45.0	55.0	10.0	50.0	21.0	77.0	25.80	147	1610.5	..1931
1932 ..	50.5	45.1	55.8	10.7	50.5	23.0	80.0	23.91	148	1616.7	..1932
1933 ..	52.0	45.5	56.4	10.9	51.2	23.6	81.2	20.40	125	2102.6	..1933
1934 ..	52.1	45.6	57.5	11.9	51.8	24.0	82.0	27.49	139	1811.0	..1934
1935 ..	51.8	46.1	56.6	10.5	51.3	25.6	83.8	37.74	173	1805.2	..1935
1936 ..	51.3	45.4	55.9	10.5	50.7	27.1	81.3	27.42	169	1675.0	..1936
1937 ..	51.5	46.3	57.2	10.9	51.8	26.0	76.8	31.59	162	1668.3	..1937
1938 ..	52.7	46.1	57.1	11.0	51.6	19.5	82.5	22.95	156	1796.4	..1938
1939 ..	51.8	45.8	56.5	10.7	51.2	20.0	81.5	34.42	171	1809.7	..1939
1940 ..	50.0	45.0	56.0	11.0	50.5	16.0	80.0	30.13	148	1976.8	..1940
1941 ..	50.3	44.0	56.0	12.0	50.0	22.0	83.0	25.83	139	1791.7	..1941
1942 ..	50.0	44.8	55.3	10.5	50.5	19.0	83.0	24.62	129	1711.6	..1942
1943 ..	52.0	46.0	58.0	12.0	52.0	28.0	80.0	23.68	145	1864.8	..1943
1944 ..	51.3	45.4	56.2	10.8	50.8	26.0	81.0	22.14	136	1765.5	..1944
1945 ..	52.5	46.5	57.2	10.7	51.2	19.0	80.0	22.98	138	1783.9	..1945
1946 ..	51.6	45.5	55.7	10.2	50.6	23.0	76.0	30.96	170	1790.7	..1946
1947 ..	51.3	45.7	56.1	10.4	50.9	15.0	90.0	24.31	139	1896.8	..1947
1948 ..	52.6	46.6	57.6	11.0	52.1	17.0	88.0	25.23	154	1916.9	..1948
1949 ..	53.3	47.2	58.4	11.2	52.8	29.0	81.0	23.90	120	2128.9	..1949
1950 ..	52.1	46.1	56.7	10.6	51.4	24.0	81.0	26.95	157	1805.4	..1950
1951 ..	51.9	46.0	56.3	10.3	51.2	22.0	76.0	37.98	184	1838.4	..1951
1952 ..	50.7	45.0	56.0	11.0	50.2	23.0	82.0	28.54	175	1917.0	..1952
1953 ..	51.9	46.2	57.1	11.1	51.7	25.0	80.0	24.33	125	1885.1	..1953
1954 ..	51.0	45.3	56.0	10.7	50.7	18.0	75.0	30.28	188	1687.3	..1954

NATIONAL HEALTH SERVICE ACT, 1946

Part III Services

The day-to-day administration of the Part III Services provided under the National Health Service Act is delegated to the Worthing County Health Sub-Committee. This section summarises the work carried out in the Borough during the year.

SECTION 22. CARE OF MOTHERS AND YOUNG CHILDREN

Child Welfare Centres :

There are four Child Welfare Centres in the Borough situated as follows:—

- (1) The Central Clinic—Monday and Friday afternoons.
- (2) Church Hall, Durrington—Second and fourth Thursday afternoons in each month.
- (3) St. Mary's Hall, Goring—Thursday afternoons.
- (4) Free Church Hall, Findon Valley—First and third Wednesday afternoons in each month.

1,222 infants and children made a total of 8,278 attendances at all centres during the year. The number of infants who first attended at the centres during the year whilst they were under one year of age was 463, equivalent to 70.8 per cent. of the notified live births.

Ante- and Post-Natal Clinics :

The following is a summary of attendances, etc., at these clinics:—

Medical Officer's Clinic:

No. of clinics	..	..	..	..	51
New cases	..	..	..	..	247
Total attendances	..	..	..	..	1,114
Average attendance per session	..	..	..	..	21.8

Midwives' Clinic:

No. of clinics	..	..	..	..	46
New cases	..	..	..	..	129
Total attendances	..	..	..	..	663

Ante-Natal Relaxation Exercises Clinic:

New cases	..	..	..	..	81
Total attendances	..	..	..	..	375

DENTAL SERVICE

The following tables give details of the treatment carried out during the year:—

(a) Numbers provided with dental care:

	Examined	Needing treatment	Treated	Made dentally fit
Expectant and Nursing Mothers ...	20	19	15	12
Children under five	214	118	106	98

(b) Forms of dental treatment provided:

	Extractions	General Anæsthetics	Fillings	Scalings or Scaling and gum treatment	Silver Nitrate treatment	Crowns or Inlays	Radiographs	Dentures provided	
								Complete	Partial
Expectant and Nursing Mothers	10	4	28	5	5	-	-	5	1
Children under five	104	43	277	2	33	-	-	-	-

Dental X-rays are carried out at Worthing Hospital and arrangements exist for the supply of dentures locally.

CARE OF PREMATURE INFANTS

All infants weighing up to 5½ lbs. at birth are included under this heading and in Worthing a special note is made on the notification of birth cards in respect of all infants whose birth weight is 5½ lbs. or less.

Special arrangements for the care of premature infants in their own homes are made within the Midwifery and Health Visiting Services, and infants who cannot be cared for at home are admitted to hospital.

Premature infants born in hospital are notified to the Department on discharge and are kept under supervision by the Health Visitors and invited to attend the Welfare Centres.

Thirty-nine premature live births were notified, of which seven occurred at home and one in a private nursing home. Eight premature still-births were also notified.

SECTION 23. MIDWIFERY

The following is a summary of the work of the domiciliary midwives:—

Confinements attended—					
as midwife	..	..	..	..	174
as maternity nurse	..	..	..	..	40
Analgesia administered—					
as midwife	..	..	..	..	143
as maternity nurse	..	..	..	..	36
Pethidine administered—					
as midwife	..	..	..	..	115
as maternity nurse	..	..	..	..	27
Nursings—					
as midwife	..	..	..	..	3,504
as maternity nurse	..	..	..	..	420
Ante-natal visits	..	..	..	..	1,822

Notification of Births. 641 live births and 18 still-births were registered during the year.

SECTION 24. HEALTH VISITING

Seven Health Visitors devote half their time to duties connected with the Health Services provided under Part III of the National Health Service Act, 1946.

The following are details of visits made by the Health Visitors during the year:—

Expectant and nursing mothers—total visits	..	..	433
First visits to infants under 1 year of age	..	..	651
Re-visits to infants under 1 year of age	..	..	3,133
Children 1-5 years—total visits	..	..	3,793
Infectious disease visits	..	..	334
Tuberculosis visits	..	..	281
Visits to aged and infirm persons	..	..	371
Other visits	..	..	135

SECTION 25. HOME NURSING

The services of the Home Nurses are provided on the recommendation of a doctor to any patient requiring such service. The nursing staff at the 31st December comprised an Area Nursing Officer, 14 full-time and 3 part-time Home Nurses.

The following table gives particulars of the number of cases dealt with during the year under review:—

No. of cases attended by Home Nurses	..	..	2,268
No. of visits paid by Home Nurses	..	..	55,215

SECTION 26. VACCINATION AND IMMUNISATION

1. *Vaccination :*

Vaccinations are carried out by Practitioners as a part of the General Medical Service, and a fee is payable by the County Council for the Record of the vaccination which the Practitioner supplies in each case.

The following table gives details of the vaccinations carried out during the year:—

Number of persons vaccinated (or re-vaccinated)

Age at date of vaccination	Under 1	1	2 to 4	5 to 14	15 or over	Total
Number vaccinated ...	88	103	18	12	25	246
Number re-vaccinated ...	—	—	9	37	186	232

2. *Diphtheria Immunisation :*

During the year, 364 children under five years and 15 children aged five to fifteen years were immunised. 206 were immunised at the Clinics and 173 by private doctors. In addition 445 children received reinforcing injections.

SECTION 27. AMBULANCE SERVICES

The St. John Ambulance Brigade acts as agent for the County Council in operating the Ambulance and Hospital Car Services in the Borough of Worthing.

During the year the Worthing Ambulance Division carried 6,376 patients, covering a total distance of 54,952 miles.

SECTION 28. PREVENTION OF ILLNESS, CARE & AFTER-CARE

1. *Tuberculosis :*

The Health Visitors continued to attend at the Chest Clinics held at Worthing Hospital. They also made 281 visits to patients in their own homes.

The Worthing Area Committee of the Sussex Rural Community Council has met quarterly and has been instrumental in helping many patients and their families.

2. *Care and After-Care :*

Close liaison exists between the Hospital Almoners, the County Care Almoner and the Health Visitors, and numerous visits were made to chronic sick cases and aged persons (see Health Visitors' statistical table).

3. *Prevention of Illness :*

The Health Visitors continued to play an important part in health education during the year, in addition, exhibition stands relating to various aspects of the Health Services were erected in the clinics, and the Medical Officer of Health either arranged or gave a number of talks to local organisations in the Borough.

SECTION 29. DOMESTIC HELP

This service continues to provide Domestic Help in cases of illness, aged persons, maternity cases and other cases of need. Applications for help are only approved on the recommendation of a doctor or midwife, and all circumstances are carefully investigated in order to assess the amount of help required.

A charge is made for the services of a Domestic Help, the amount being determined according to the financial circumstances of the applicant.

<i>Applications for Assistance</i>	<i>Maternity Cases</i>	<i>Tuber- culosis Cases</i>	<i>Chronic Sick inc. aged & infirm Cases</i>	<i>Other Cases</i>	<i>Total</i>
(a) No. of cases receiving assistance at 1st January, 1954	5	3	147	42	197
(b) No. of new applications received	65	11	148	227	451
(c) No. of cases in (b) assisted	52	11	138	205	406
(d) No. of cases in (b) approved, but for which assistance was not available	—	—	5	5	10
(e) No. of cases in (b) not approved	—	—	2	7	9
(f) No. of applications in (b) withdrawn:					
(i) Before arrangements made	9	—	3	6	18
(ii) After arrangements made	4	—	—	4	8
(g) No. of cases in (a) and (b) completed during the year	55	9	128	213	405
(h) No. of cases receiving assistance at end of year	2	5	157	34	198

Number of Domestic Helps employed at 31st December, 1954:—
 (a) Whole-time—Nil ; (b) Part-time—41.

Gadd's Printing Works, Ltd., Worthing.—Tel. 189.
